STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL

5. MINERAL LEASE NO:	6. SURFACE:
ML-21577	State

1A. TYPE OF WORK: DRILL ☑ REENTER ☐ DEEPEN ☐

7. IF INDIAN, ALLOTTEE OR TRIBE NAME:

B. TYPE OF WELL: OIL ☐ GAS ☑ OTHER _____ SINGLE ZONE ☐ MULTIPLE ZONE ☑

8. UNIT or CA AGREEMENT NAME: UNIT #891008900A

2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE L.P.

9. WELL NAME and NUMBER: NBU 1021-32B

3. ADDRESS OF OPERATOR: 1368 S 1200 E CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-7024

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 837'FNL, 2117'FEL 621994X 39.909046
AT PROPOSED PRODUCING ZONE: 4418427Y -109.572777

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNE 32 10S 21E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 17.9 MILES SOUTH OF OURAY, UTAH

12. COUNTY: UINTAH

13. STATE: UTAH

15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET)	16. NUMBER OF ACRES IN LEASE:	17. NUMBER OF ACRES ASSIGNED TO THIS WELL:
837'	640.00	40.00
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET)	**19. PROPOSED DEPTH:**	**20. BOND DESCRIPTION:**
REFER TO TOPO C	9,170	RLB0005237
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.):	**22. APPROXIMATE DATE WORK WILL START:**	**23. ESTIMATED DURATION:**
5307'GL		

24. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT		
12 1/4"	9 5/8	H-40	32.3#	1,800	265 SX CLASS G	1.18 YIELD	15.6 PPG
7 7/8"	4 1/2	I-80	11.6#	9,170	1940 SX 50/50 POZ	1.31 YIELD	14.3 PPG

25. **ATTACHMENTS**

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
☑ EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER
☑ COMPLETE DRILLING PLAN
☐ FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE SENIOR LAND ADMIN SPECIALIST

SIGNATURE [signature] DATE 1/23/2007

(This space for State use only)

API NUMBER ASSIGNED: 43-047-39027

Approved by the Utah Division of Oil, Gas and Mining

APPROVAL:

Date: 06-25-07

(See Instructions on Reverse Side)

By: [signature]

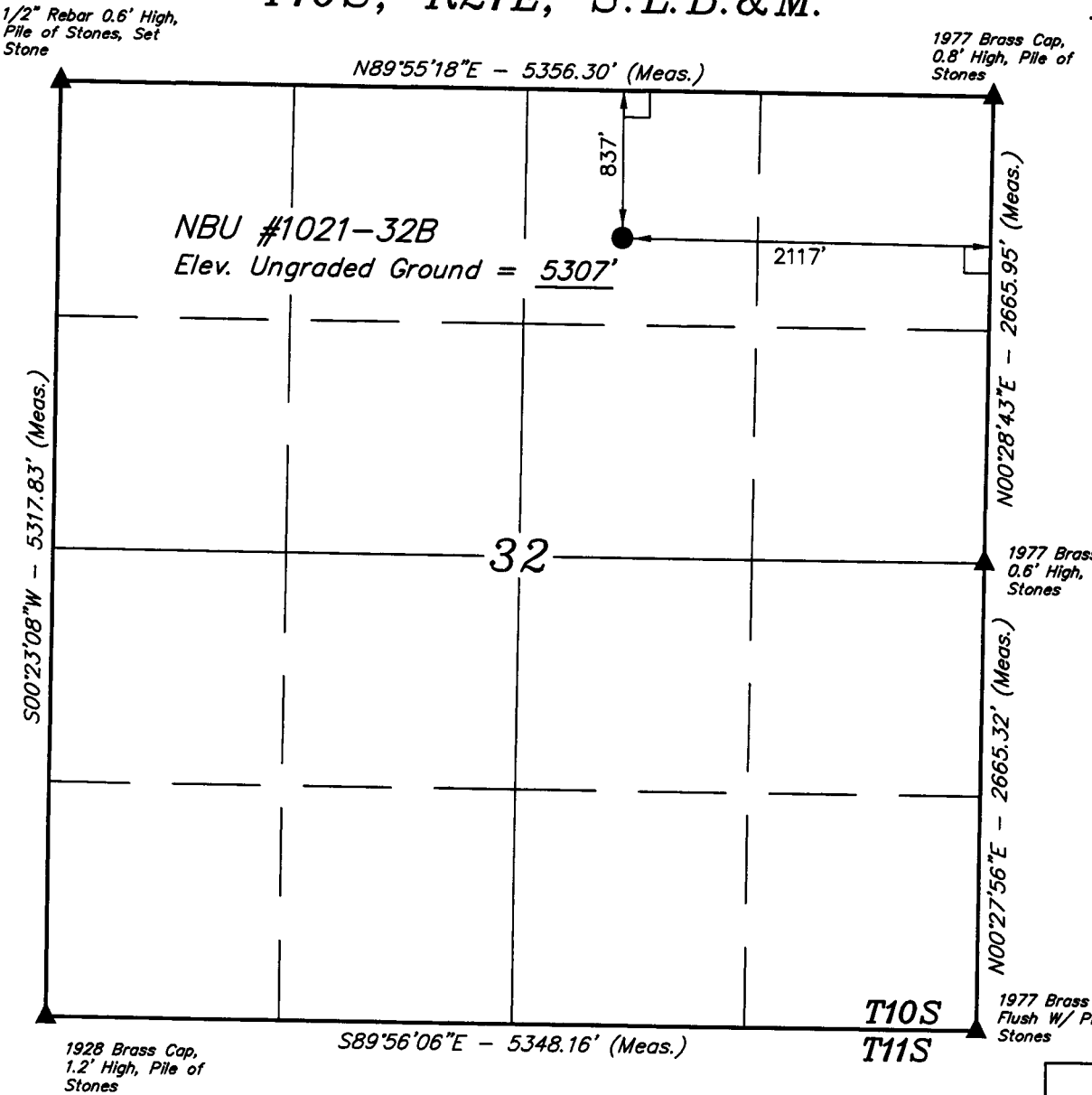
RECEIVED
FEB 02 2007
DIV. OF OIL, GAS & MINING

(11/2001)

T10S, R21E, S.L.B.&M.

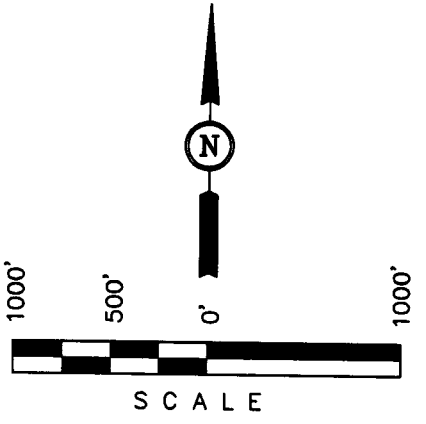
Kerr-McGee Oil & Gas Onshore LP

Well location, NBU #1021-32B, located as shown in the NW 1/4 NE 1/4 of Section 32, T10S, R21E, S.L.B.&M., Uintah County, Utah.



BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

(NAD 83)
LATITUDE = 39°54'32.30" (39.908972)
LONGITUDE = 109°34'24.44" (109.573456)
(NAD 27)
LATITUDE = 39°54'32.42" (39.909006)
LONGITUDE = 109°34'21.96" (109.572767)

LEGEND:

- └ = 90° SYMBOL
- ● = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE: 1" = 1000'	DATE SURVEYED: 11-22-06	DATE DRAWN: 12-08-06
PARTY: L.K. J.M. S.L.	REFERENCES: G.L.O. PLAT	
WEATHER: COLD	FILE: Kerr-McGee Oil & Gas Onshore LP	

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Sheila Upchego

1/24/2007
Date

NBU 1021-32B
NW/NE SEC. 32, T10S, R21E
UINTAH COUNTY, UTAH
ML-21577

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. **Estimated Tops of Important Geologic Markers:**

Formation	Depth
Uinta	0- Surface
Green River	994'
Top of Birds Nest Water	1234'
Mahogany	1765'
Wasatch	4161'
Mesaverde	7014'
MVU2	8008'
MVL1	8511'
TD	9170'

2. **Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:**

Substance	Formation	Depth
	Green River	994'
Water	Top of Birds Nest Water	1234'
	Mahogany	1765'
Gas	Wasatch	4161'
Gas	Mesaverde	7014'
Gas	MVU2	8008'
Gas	MVL1	8511'
Water	N/A	
Other Minerals	N/A	

3. **Pressure Control Equipment** (Schematic Attached)

Please refer to the attached Drilling Program.

4. **Proposed Casing & Cementing Program:**

Please refer to the attached Drilling Program.

5. **Drilling Fluids Program:**

Please refer to the attached Drilling Program.

6. **Evaluation Program:**

Please refer to the attached Drilling Program.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 9170' TD, approximately equals 5685 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3668 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

Drilling is planned to commence immediately upon approval of this application.

9. **Variances:**

Please refer to the attached Drilling Program.

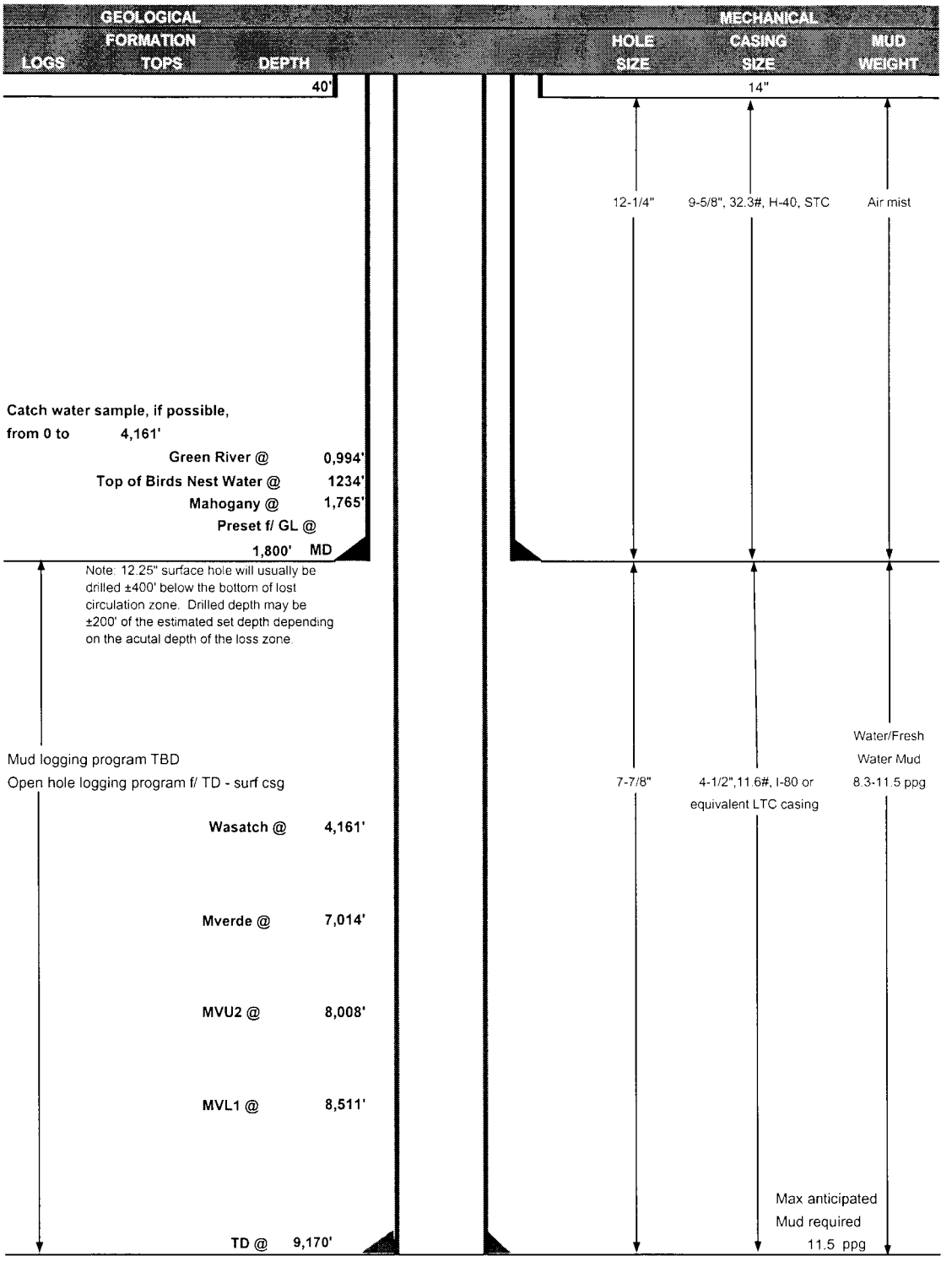
10. **Other Information:**

Please refer to the attached Drilling Program.

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP			DATE	January 23, 2007		
WELL NAME	**NBU 1021-32B**			TD	9,170' MD/TVD		
FIELD	Natural Buttes	COUNTY Uintah	STATE Utah	ELEVATION	5,307' GL	KB 5,322'	
SURFACE LOCATION	NW/NE SEC. 32, T10S, R21E 837'FNL, 2117'FEL					BHL	Straight Hole
	Latitude: 39.908972	Longitude: 109.573456					
OBJECTIVE ZONE(S)	Wasatch/Mesaverde						
ADDITIONAL INFO	Regulatory Agencies: UDOGM (SURF & MINERALS), BLM, Tri-County Health Dept.						



KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL			WT.	GR.	CPLG.	DESIGN FACTORS BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'								
								2270	1370	254000
SURFACE	9-5/8"	0	to	1800	32.30	H-40	STC	0.65*******	1.63	4.99
								7780	6350	201000
PRODUCTION	4-1/2"	0	to	9170	11.60	I-80	LTC	2.24	1.16	2.17

1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)

2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)

(Burst Assumptions: TD = 11.5 ppg) .22 psi/ft = gradient for partially evac wellbore

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

MASP 3466 psi

******** Burst SF is low but csg is much stronger than formation at 2000'. EMW @ 2000' for 2270# is 21.8 ppg or 1.13 psi/ft

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
Option 1							
	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	50		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE		**NOTE: If well will circulate water to surface, option 2 will be utilized**					
Option 2	LEAD	1500	Prem cmt + 16% Gel + 10 pps gilsonite +.25 pps Flocele + 3% salt BWOC	170	35%	11.00	3.82
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	3,660'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	400	60%	11.00	3.38
	TAIL	5,510'	50/50 Poz/G + 10% salt + 2% gel +.1% R-3	1540	60%	14.30	1.31

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utililzed.

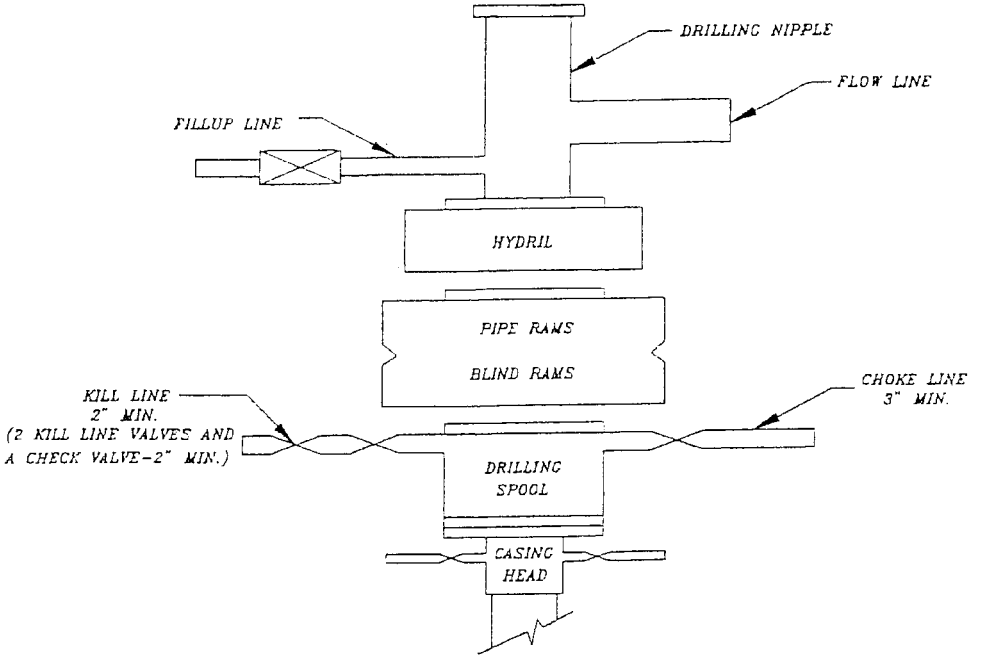
DRILLING ENGINEER: _____ **DATE:** _____

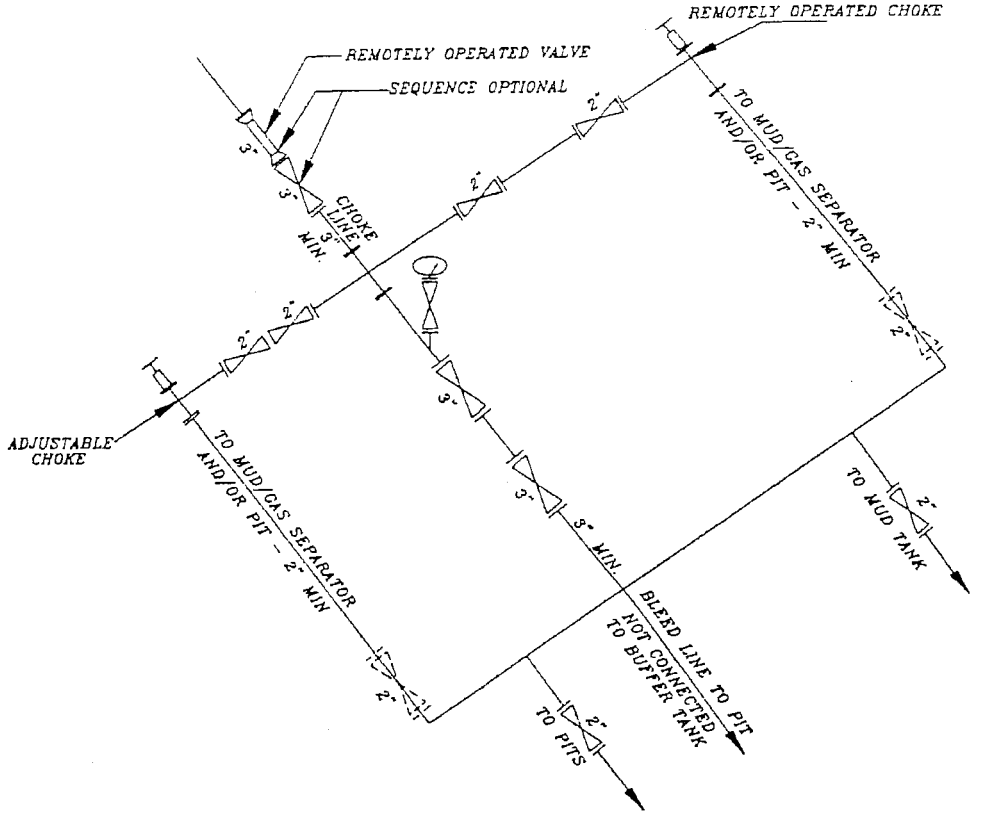
Brad Laney

DRILLING SUPERINTENDENT: _____ **DATE:** _____

Randy Bayne

5M BOP STACK and CHOKE MANIFOLD SYSTEM





NBU 1021-32B
NW/NE SEC. 32, T10S, R21E
Uintah County, UT
ML-21577

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. **Existing Roads:**

Refer to Topo Map A for directions to the location.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

Refer to Topo Maps A and B for location of access roads within a 2 mile radius.

All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.

2. **Planned Access Roads:**

Approximately 0.1 +/- miles of new access road is proposed. Refer to Topo Map B for the location of the proposed access road.

The upgraded and new portions of the access road will be crowned and ditched with a running surface of 18 feet and a maximum disturbed width of 30 feet. Appropriate water control will be installed to control erosion.

Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities were determined at the on-site.

The access road was centerline flagged during time of staking.

Surfacing material may be necessary, depending upon weather conditions.

Surface disturbance and vehicular traffic will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

3. **Location of Existing Wells Within a 1-Mile Radius:**

Please refer to Topo Map C.

4. **Location of Existing & Proposed Facilities:**

The following guidelines will apply if the well is productive.

All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope or the top of the fill slope.

A dike will be constructed completely around those production facilities which contain

fluids (i.e., production tanks, produced water tanks, and/or heater/treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

All permanent (on-site six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the five state Rocky Mountain Inter-Agency Committee.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The required color is Carlsbad Canyon, standard color number 2.5Y 6/2.

Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.

Approximately 527' +/- of 4" pipeline is proposed from the location to a tie-in point. Refer to Topo Map D.

5. **Location and Type of Water Supply:**

Water for drilling purposes will be obtained from Dalbo Inc.'s underground well located in Ouray, Utah, Sec. 32, T4S, R3E, Water User Claim #43-8496, Application #53617.

Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

6. **Source of Construction Materials:**

Surface and subsoil materials in the immediate area will be utilized.

Any gravel will be obtained from a commercial source.

7. **Methods of Handling Waste Materials:**

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.

The reserve pit will be constructed on the location and will not be located within natural drainage, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break, or allow discharge of liquids.

A plastic reinforced liner and felt will be used, it will be a minimum of 20 mil thick, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

A chemical porta-toilet will be furnished with the drilling rig.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash will be burned on location.

All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

Any produced water from the proposed well will be contained in a water tank and will then be hauled By truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S, R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E.

8. **Ancillary Facilities:**

None are anticipated.

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

The reserve pit will be lined, and when the reserve pit is closed, the pit liner will be buried below plow depth.

All pits will be fenced according to the following minimum standards:

39 inch net wire will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.

The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.

Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance

between any 2 fence posts shall be no greater than 16 feet.

All wire shall be stretched, by using a stretching device, before it is attached to corner posts.

The reserve pit fencing will be on three sides during drilling operations, and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

Location size may change prior to the drilling of the well due to current rig availability. If the proposed location is not large enough to accommodate the drilling rig the location will be re-surveyed and a Form 9 shall be submitted.

10. Plans for Reclamation of the Surface:

Producing Location:

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production.

Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.

A plastic, nylon reinforced liner will be used, it shall be torn and perforated before backfilling of the reserve pit.

Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.

To prevent surface water (s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface three feet above surrounding ground surface to allow the reclaimed pit area to drain effectively.

Upon completion of backfilling, leveling, and recontouring, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

Dry Hole/Abandoned Location:

Abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions, and re-establishment of vegetation as specified.

All disturbed surfaces will be recontoured to the approximate natural contours, with reclamation of the well pad and access road to be performed as soon as practical after final abandonment.

Reseeding operations will be performed after completion of other reclamation operations.

11. Surface Ownership:

SITLA
675 East 500 South, Suite 500
Salt Lake City, UT 84102

12. Other Information:

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, the approved Plan of Operations, and any applicable Notice of Lessees. The Operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

The Operator will control noxious weeds along Rights-Of-Way for roads, pipelines, well sites, or other applicable facilities.

A Class III archaeological survey will be submitted when report becomes available.

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it within 460' of any non-committed tract lying within the boundaries of the Unit.

13. Lessee's or Operators's Representative & Certification:

Sheila Upchego
Senior Land Admin Specialist
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East.
Vernal, UT 84078
(435) 781-7024

Randy Bayne
Drilling Manager
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078
(435)781-7018

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under terms and conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by State Surety Bond #RLB0005237.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Sheila Upchego

1/24/2007
Date

Kerr-McGee Oil & Gas Onshore LP

NBU #1021-32B
SECTION 32, T10S, R21E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 15.6 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 1.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN LEFT AND PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN RIGHT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 0.4 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE NORTH; FOLLOW ROAD FLAGS IN A NORTHERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 48.9 MILES.

Kerr-McGee Oil & Gas Onshore LP

NBU #1021-32B

LOCATED IN UINTAH COUNTY, UTAH
SECTION 32, T10S, R21E, S.L.B.&M.

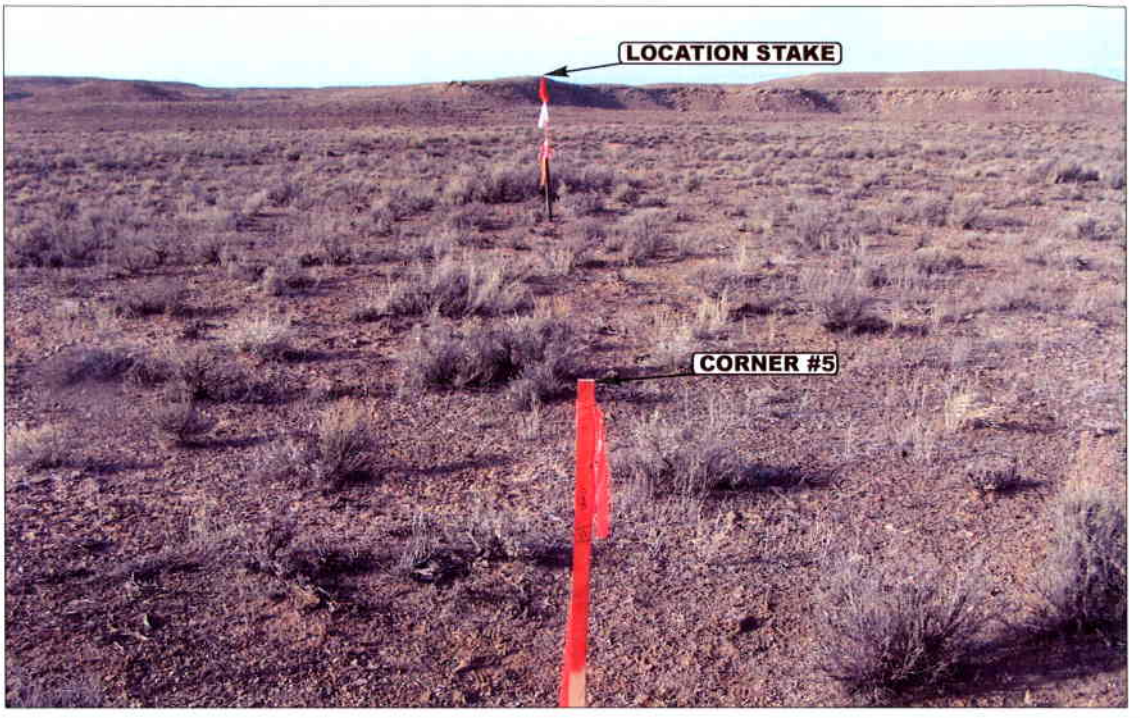


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE **CAMERA ANGLE: NORTHWESTERLY**

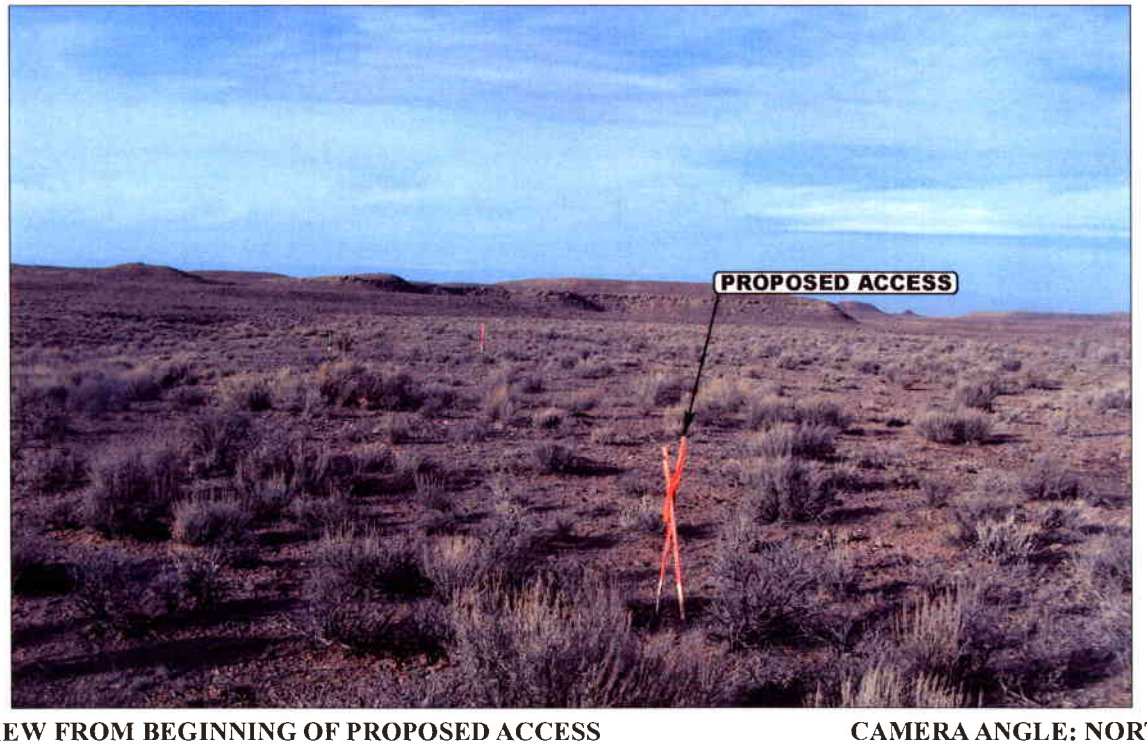
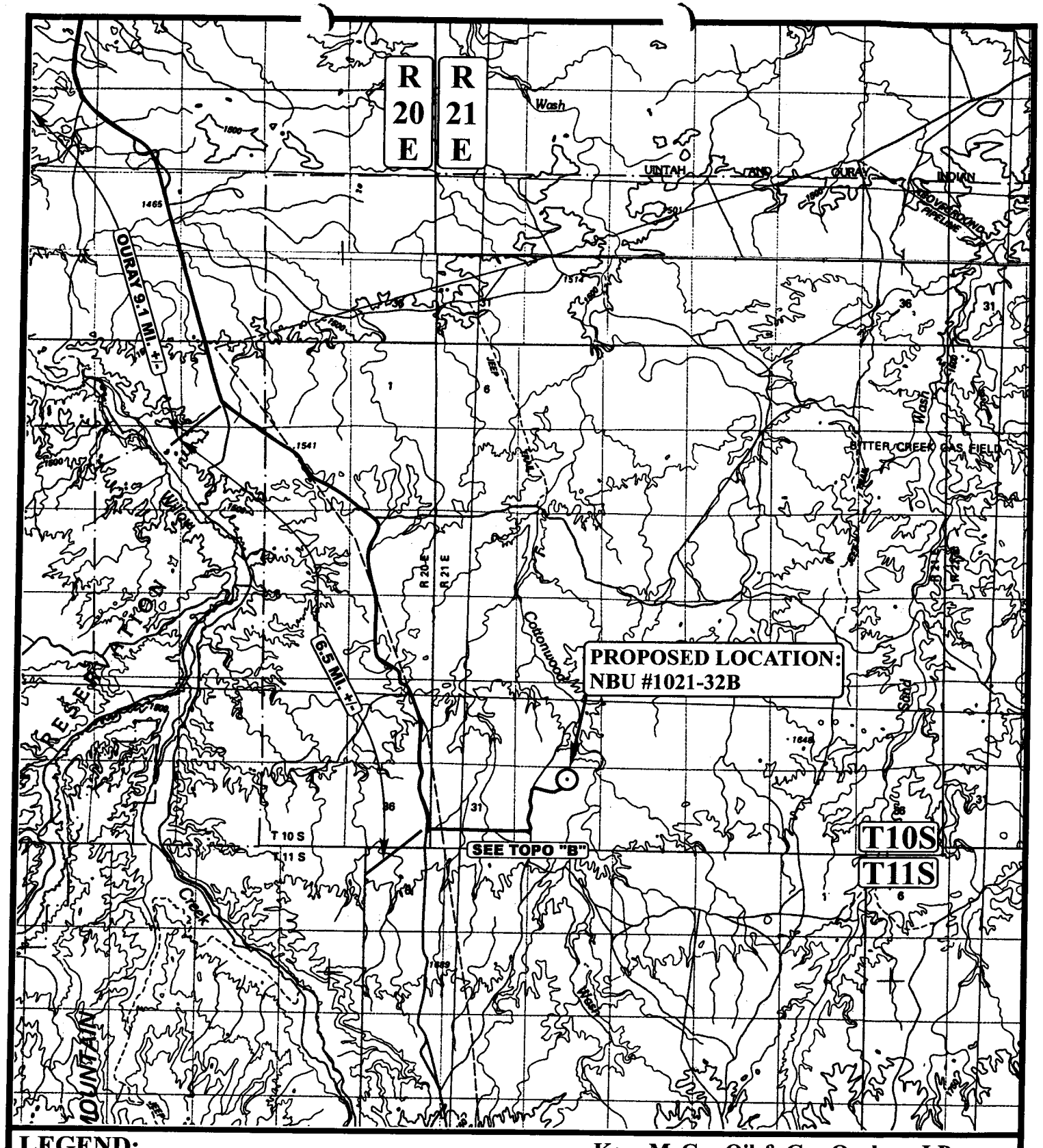


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS **CAMERA ANGLE: NORTHERLY**

- Since 1964 -
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS	12 MONTH	11 DAY	06 YEAR	PHOTO
TAKEN BY: L.K.	DRAWN BY: A.A.	REVISED: 00-00-00		



LEGEND:

⊙ PROPOSED LOCATION

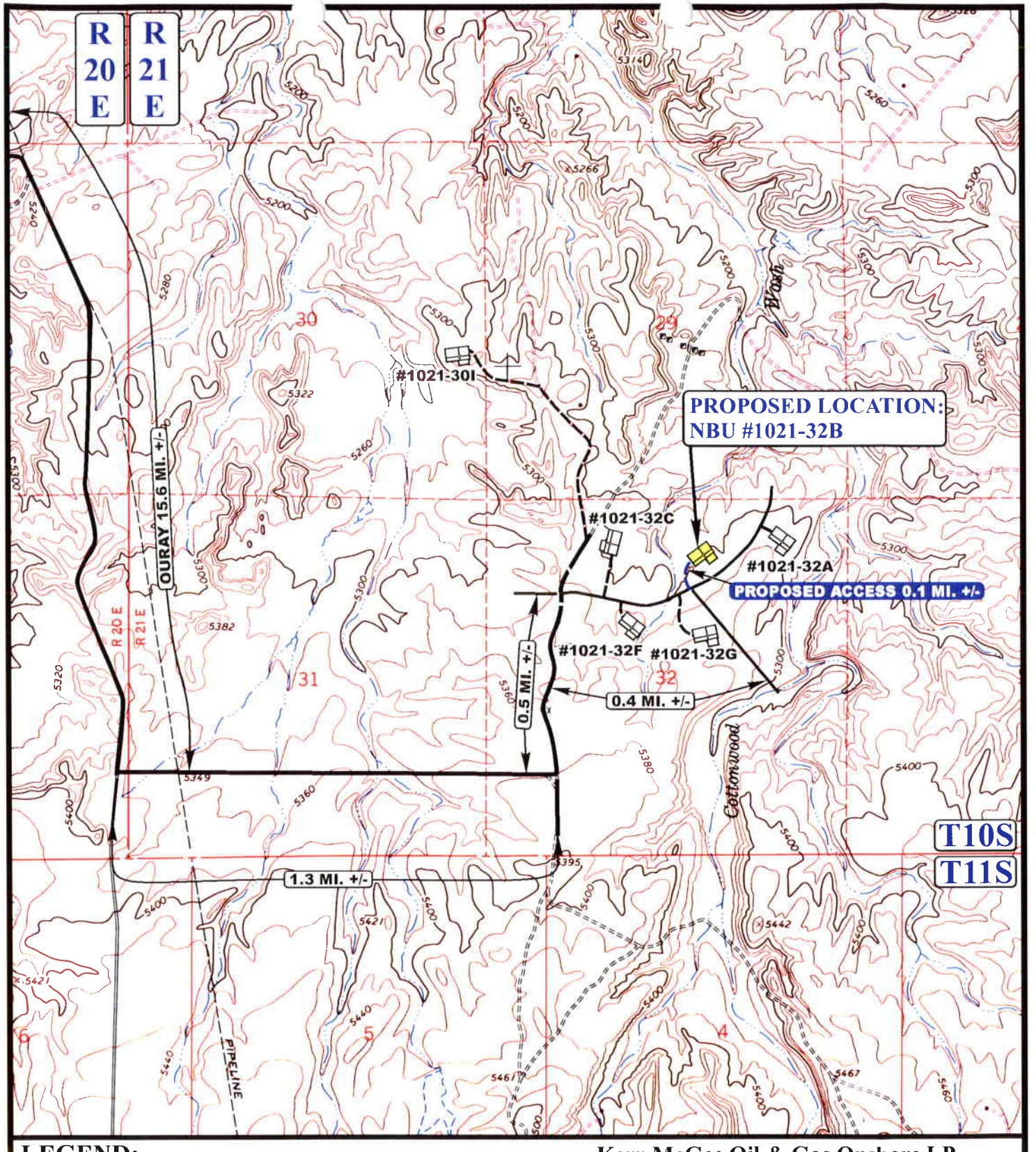
N

Kerr-McGee Oil & Gas Onshore LP

NBU #1021-32B
SECTION 32, T10S, R21E, S.L.B.&M.
837' FNL 2117' FEL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	12 MONTH	11 DAY	06 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: A.A.	REVISED: 00-00-00		



LEGEND:

EXISTING ROAD

PROPOSED ACCESS ROAD

N

Kerr-McGee Oil & Gas Onshore LP

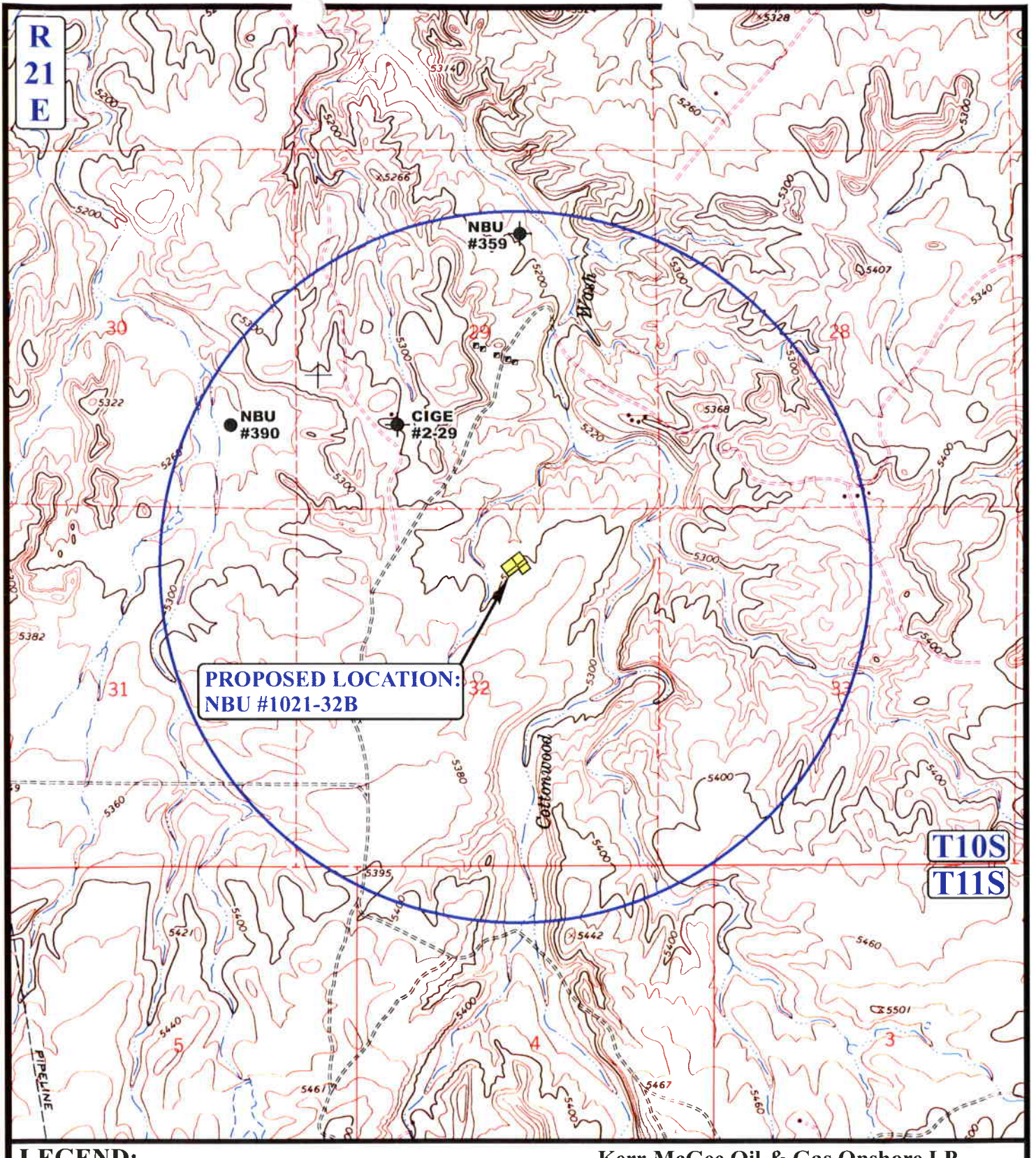
NBU #1021-32B
SECTION 32, T10S, R21E, S.L.B.&M.
837' FNL 2117' FEL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP | 12 MONTH | 11 DAY | 06 YEAR

SCALE: 1" = 2000' | DRAWN BY: A.A. | REVISED: 00-00-00

B TOPO



LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

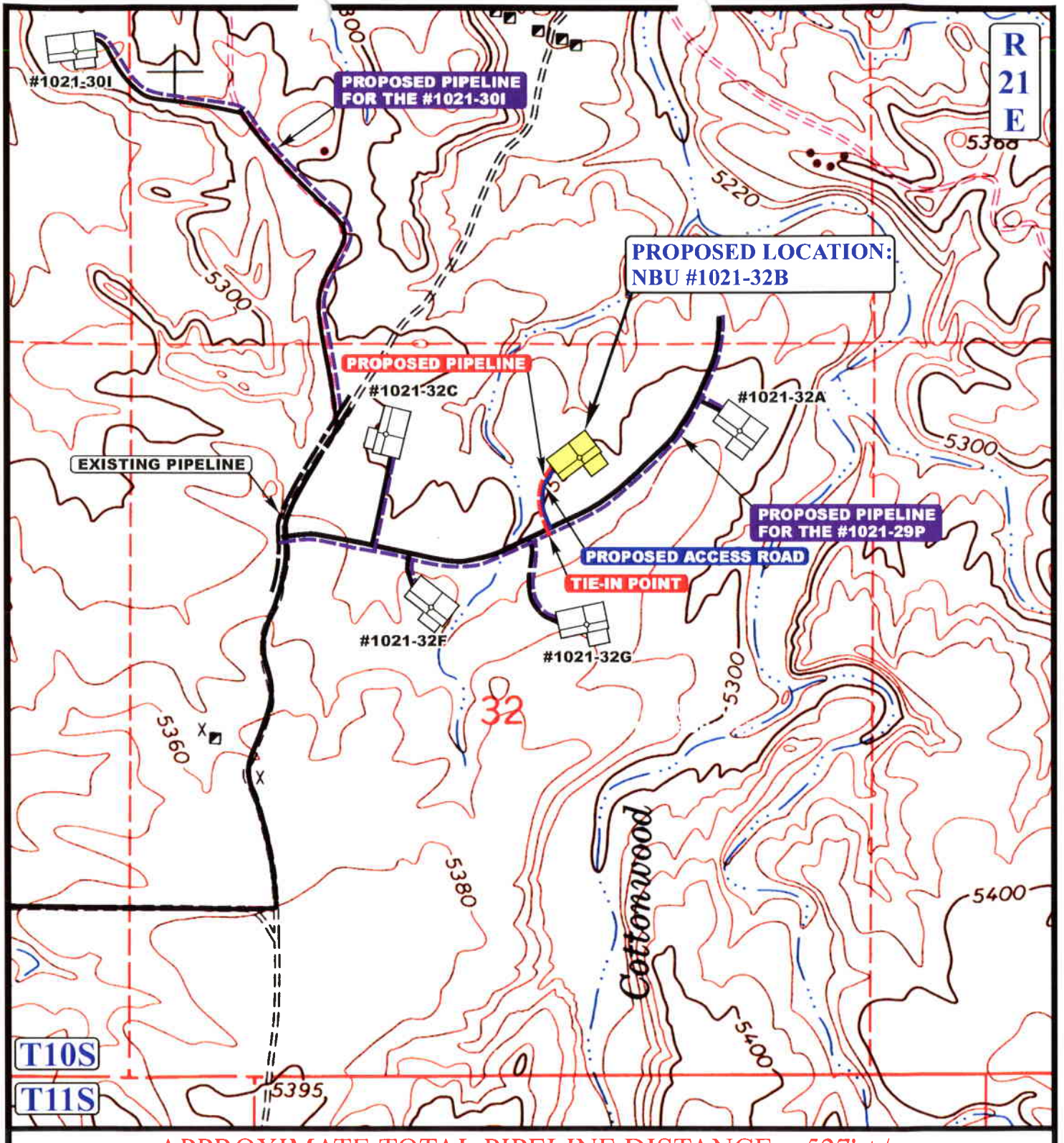
N

Kerr-McGee Oil & Gas Onshore LP

NBU #1021-32B
SECTION 32, T10S, R21E, S.L.B.&M.
837' FNL 2117' FEL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	12 MONTH	11 DAY	06 YEAR
SCALE: 1" = 2000'	DRAWN BY: A.A.	REVISED: 00-00-00	C TOPO



APPROXIMATE TOTAL PIPELINE DISTANCE = 527' +/-

LEGEND:

PROPOSED ACCESS ROAD
EXISTING PIPELINE
PROPOSED PIPELINE

N

Kerr-McGee Oil & Gas Onshore LP

NBU #1021-32B
SECTION 32, T10S, R21E, S.L.B.&M.
837' FNL 2117' FEL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP | 12 MONTH | 11 DAY | 06 YEAR | D TOPO

SCALE: 1" = 1000' | DRAWN BY: A.A. | REVISED: 00-00-00

Kerr-McGee Oil and Gas Onshore LP

NBU #1021-32B

PIPELINE ALIGNMENT

LOCATED IN UINTAH COUNTY, UTAH
SECTION 32, T10S, R21E, S.L.B.&M.

PHOTO: VIEW FROM TIE-IN POINT **CAMERA ANGLE: NORTHERLY**

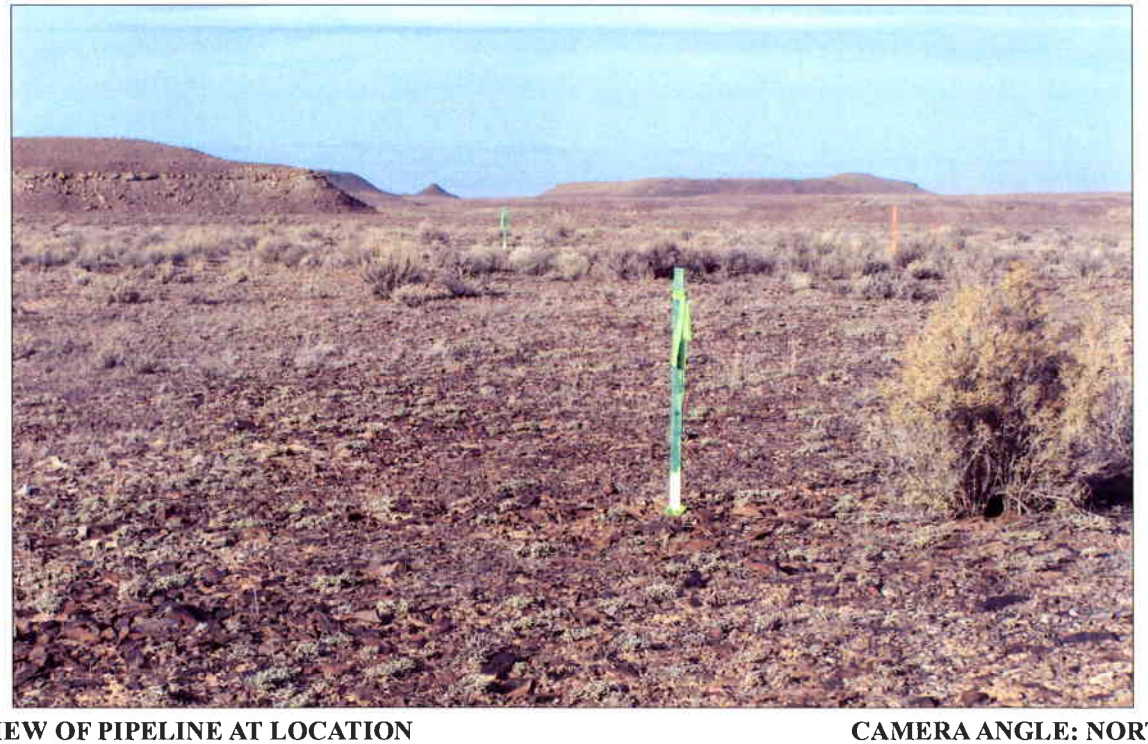


PHOTO: VIEW OF PIPELINE AT LOCATION **CAMERA ANGLE: NORTHERLY**

- Since 1964 -
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

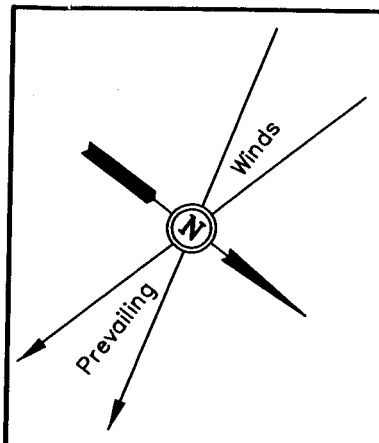
PIPELINE PHOTOS	12 MONTH	11 DAY	06 YEAR	PHOTO
TAKEN BY: L.K.	DRAWN BY: A.A.	REVISED: 00-00-00		

Kerr-McGee Oil & Gas Onshore LP

FIGURE #1

LOCATION LAYOUT FOR

NBU #1021-32B
SECTION 32, T10S, R21E, S.L.B.&M.
837' FNL 2117' FEL



SCALE: 1" = 50'
DATE: 12-08-06
Drawn By: S.L.

Proposed Access Road

6 C-2.9' El. 308.8'

58'

7 C-0.9' El. 306.8'

Install CMP as Needed

8 F-1.4' El. 304.5'

REGISTERED LAND SURVEYOR No. 161319 ROBERT L. KAY STATE OF UTAH

Approx. Top of Cut Slope

CONSTRUCT DIVERSION DITCH

Approx. Toe of Fill Slope

200'

NOTE:
Flare Pit is to be located a min. of 100' from the Well Head.

Pit Topsoil

Existing Drainage

PIPE TUBS

CATWALK

PIPE RACKS

Reserve Pit Backfill & Spoils Stockpile

El. 312.6'
C-16.7'
(btm. pit)

FLARE PIT

C-2.3' El. 308.2'

C-0.9' El. 306.8'

Bloole Line

C

D

100'

10'

58'

RIG

135'

Sta. 1+50

5 C-2.9' El. 308.8'

MUD TANKS

DOG HOUSE

TOILET

1 F-3.6' El. 302.3'

TRAILER

LIGHT PLANT

BOILER

RESERVE PITS
(10' Deep)

SLOPE 1 1/2 : 1

15' WIDE BENCH

150'

Total Pit Capacity
W/2' of Freeboard
= 15,490 Bbls. ±
Total Pit Volume
= 4,280 Cu. Yds.

MUD TANKS

PUMP HOUSE

WATER TANK

Topsoil Stockpile

TRASH

C-0.6' El. 306.5'

150'

Sta. 0+25

PROPANE STORAGE

B

A

3 F-1.3' El. 304.6'

Round Corners as Needed

El. 307.2'
C-11.3'
(btm. pit)

15' WIDE BENCH

10'

Existing Drainage

4 F-0.1' El. 305.8'

Sta. 0+00

2 F-4.0' El. 301.9'

NOTES:

Elev. Ungraded Ground At Loc. Stake = 5306.8'
FINISHED GRADE ELEV. AT LOC. STAKE = 5305.9'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

Kerr-McGee Oil & Gas Onshore LP

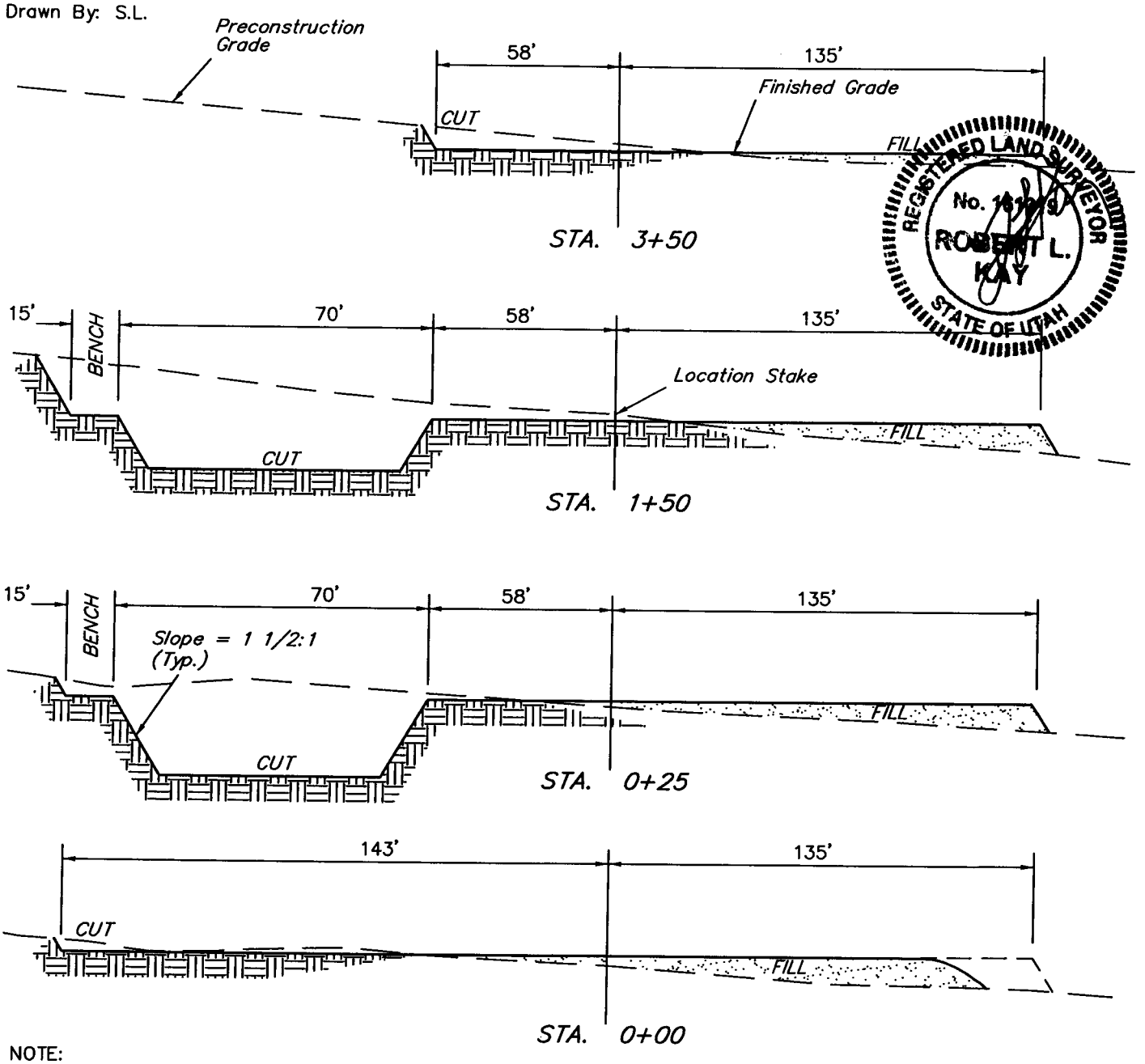
FIGURE #2

TYPICAL CROSS SECTIONS FOR

NBU #1021-32B
SECTION 32, T10S, R21E, S.L.B.&M.
837' FNL 2117' FEL

1" = 20'
X-Section Scale
1" = 50'

DATE: 12-08-06
Drawn By: S.L.



REGISTERED LAND SURVEYOR
No. 161319
ROBERT L. KAY
STATE OF UTAH

NOTE:
Topsoil should not be Stripped Below Finished Grade on Substructure Area.

* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT
(6") Topsoil Stripping = 1,790 Cu. Yds.
Remaining Location = 7,020 Cu. Yds.

TOTAL CUT = 8,810 CU.YDS.
FILL = 4,880 CU.YDS.

EXCESS MATERIAL = 3,930 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.) = 3,930 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation) = 0 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 02/02/2007

API NO. ASSIGNED: 43-047-39027

WELL NAME: NBU 1021-32B

OPERATOR: KERR-MCGEE OIL & GAS (N2995)

PHONE NUMBER: 435-781-7024

CONTACT: SHEILA UPCHEGO

PROPOSED LOCATION:

NWNE 32 100S 210E

SURFACE: 0837 FNL 2117 FEL

BOTTOM: 0837 FNL 2117 FEL

COUNTY: UINTAH

LATITUDE: 39.90905 LONGITUDE: -109.5728

UTM SURF EASTINGS: 621994 NORTHINGS: 4418427

FIELD NAME: NATURAL BUTTES (630)

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering	DKD	4/24/07
Geology		
Surface		

LEASE TYPE: 3 - State

LEASE NUMBER: ML-21577

PROPOSED FORMATION: WSMVD

SURFACE OWNER: 3 - State

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

✓ Plat

✓ Bond: Fed[] Ind[] Sta[] Fee[]
(No. 22013542)

N Potash (Y/N)

✓ Oil Shale 190-5 (B) or 190-3 or 190-13

✓ Water Permit
(No. 43-8496)

N RDCC Review (Y/N)
(Date:)

N/A Fee Surf Agreement (Y/N)

N/A Intent to Commingle (Y/N)

LOCATION AND SITING:

___ R649-2-3.

Unit: NATURAL BUTTES

___ R649-3-2. General

Siting: 460 From Qtr/Qtr & 920' Between Wells

___ R649-3-3. Exception

✓ Drilling Unit

Board Cause No: 173-14

Eff Date: 12-2-1999

Siting: 460' fr u bdrys & uncommitted

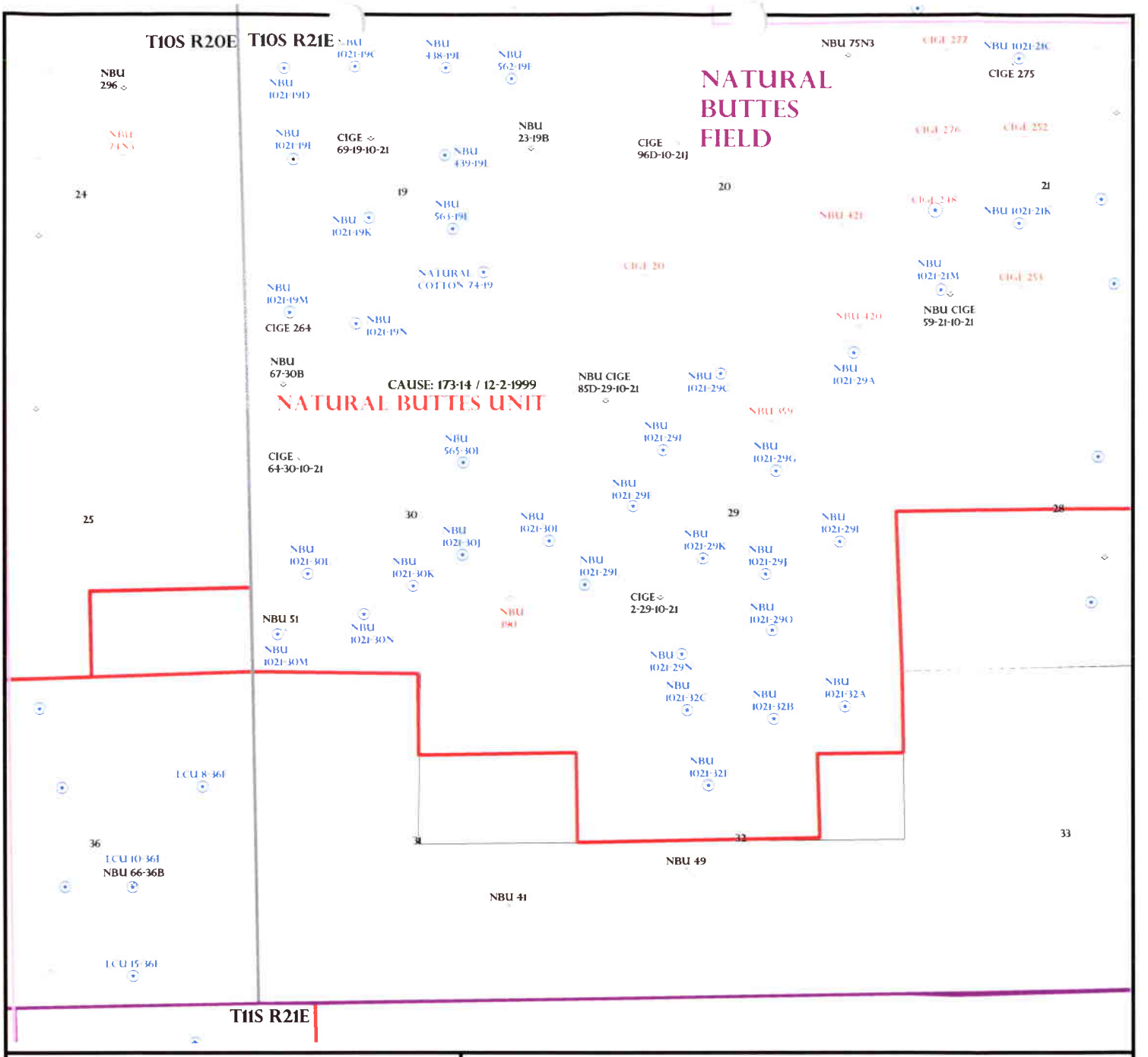
___ R649-3-11. Directional Drill

COMMENTS: Need Presite (04-04-07)

STIPULATIONS: 1- STATEMENT OF BASIS

2- OIL SHALE

3- Surface Csg Cmt Stip



OPERATOR: KERR MCGEE O&G (N2995)

SEC: 19,29,30,32 T.10S R. 21E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

CAUSE: 173-14 / 12-2-1999

Field Status
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

Unit Status
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Wells Status
- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING

Utah Oil Gas and Mining

N
W E
S

PREPARED BY: DIANA MASON

DATE: 7-FEBRUARY-2007

Application for Permit to Drill
Statement of Basis

APD No	API WellNo	Status	Well Type	Surf Ownr	CBM
253	43-047-39027-00-00		GW	S	No

Operator KERR-MCGEE OIL & GAS ONSHORE, LP **Surface Owner-APD**
Well Name NBU 1021-32B **Unit**
Field UNDESIGNATED **Type of Work**
Location NWNE 32 10S 21E S 0 F L 0 F L GPS Coord (UTM) 621994E 4418427N

Geologic Statement of Basis

Kerr McGee proposes to set 1,800' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 4,300'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of Section 32. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. Production casing cement should be brought up above the base of the moderately saline ground water to isolate it from fresher waters uphole.

Brad Hill 4/16/2007
APD Evaluator **Date / Time**

Surface Statement of Basis

The general area is within the Love area of the Natural Buttes Unit in the upper Cottonwood Wash Drainage. The area is characterized by rolling hills and benches, which are frequently intersected by somewhat gentle draws, which flow into Cottonwood Wash. The draws are occasionally rimed with steep side hills, which have exposed sand stone bedrock cliffs along the rims. Cottonwood Wash is an ephemeral drainage, which drains northerly approximately 11 miles to the White River. No seeps, springs or streams exist in the area.

This location is approximately 18 miles southeast of Ouray, Utah and is accessed by the Seep Ridge Road then by existing or planned oil field development roads to within 0.8 miles of the proposed site. New construction will be required from this point.

The proposed location is on a flat bench with small swales on the east and west. The bench has a slight slope to the north. The swale on the west will be diverted around the location. Cottonwood Wash is about 3/8 mile to the east.

Both the surface and minerals are owned by SITLA. Jim Davis represented SITLA at the pre-site investigation. Mr. Davis had no concerns pertaining to this location. The selected location appears to be the best site for drilling and operating a well in the immediate area.

Floyd Bartlett 4/4/2007
Onsite Evaluator **Date / Time**

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator KERR-MCGEE OIL & GAS ONSHORE, LP
Well Name NBU 1021-32B
API Number 43-047-39027-0 **APD No** 253 **Field/Unit** UNDESIGNATED
Location: 1/4,1/4 NWNE **Sec** 32 **Tw** 10S **Rng** 21E 0 F L 0 F L
GPS Coord (UTM) 621998 4418426 **Surface Owner**

Participants

Floyd Bartlett (DOGM), Jim Davis (SITLA), Carroll Estes, Tony Keznic, and Clay Einerson (Kerr McGee), David Kay (Uintah Engineering and Land Surveying), and Ben Williams (UDWR)

Regional/Local Setting & Topography

The general area is within the Love area of the Natural Buttes Unit in the upper Cottonwood Wash Drainage. The area is characterized by rolling hills and benches, which are frequently intersected by somewhat gentle draws, which flow into Cottonwood Wash. The draws are occasionally rimed with steep side hills, which have exposed sand stone bedrock cliffs along the rims. Cottonwood Wash is an ephemeral drainage, which drains northerly approximately 11 miles to the White River. No seeps, springs or streams exist in the area.

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The proposed location is on a flat bench with small swales on the east and west. The bench has a slight slope to the north. The swale on the west will be diverted around the location. Cottonwood wash is about 3/8 mile to the east.

Both the surface and minerals are owned by SITLA.

Surface Use Plan

Current Surface Use
Grazing
Recreational
Wildlfe Habitat

New Road

Miles	Well Pad		Src Const Material	Surface Formation
0.1	**Width** 308	**Length** 350	Onsite	UNTA

Ancillary Facilities N

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetland N

Flora / Fauna

The site is somewhat barren. Vegetation is a desert shrub type. A sparse stand of shadscale, sagebrush and a few spring annuals are present.

Antelope, cattle, rabbits, coyotes, and small mammals, birds and raptors.

Soil Type and Characteristics

Moderately deep shaley sandy loam.

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diverson Required Y

Around the west side of the location.

Berm Required? N

Erosion Sedimentation Control Required? N

Paleo Survey Run? Y **Paleo Potental Observed?** N **Cultural Survey Run?** N **Cultural Resources?**

Reserve Pit

Site-Specific Factors		Site Ranking
Distance to Groundwater (feet)	>200	0
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	300 to 1320	10
Native Soil Type	Mod permeability	10
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)	<10	0
Affected Populations	<10	0
Presence Nearby Utility Conduits	Not Present	0
	Final Score	25 1 **Sensitivity Level**

Characteristics / Requirements

The proposed reserve pit is 100' x 150' x 10' deep located in a cut on the southeast corner of the location. A 20 mil liner with a felt sub-liner is planned by Kerr McGee.

Closed Loop Mud Required? N **Liner Required?** Y **Liner Thickness** 16 **Pit Underlayment Required?** Y

Other Observations / Comments

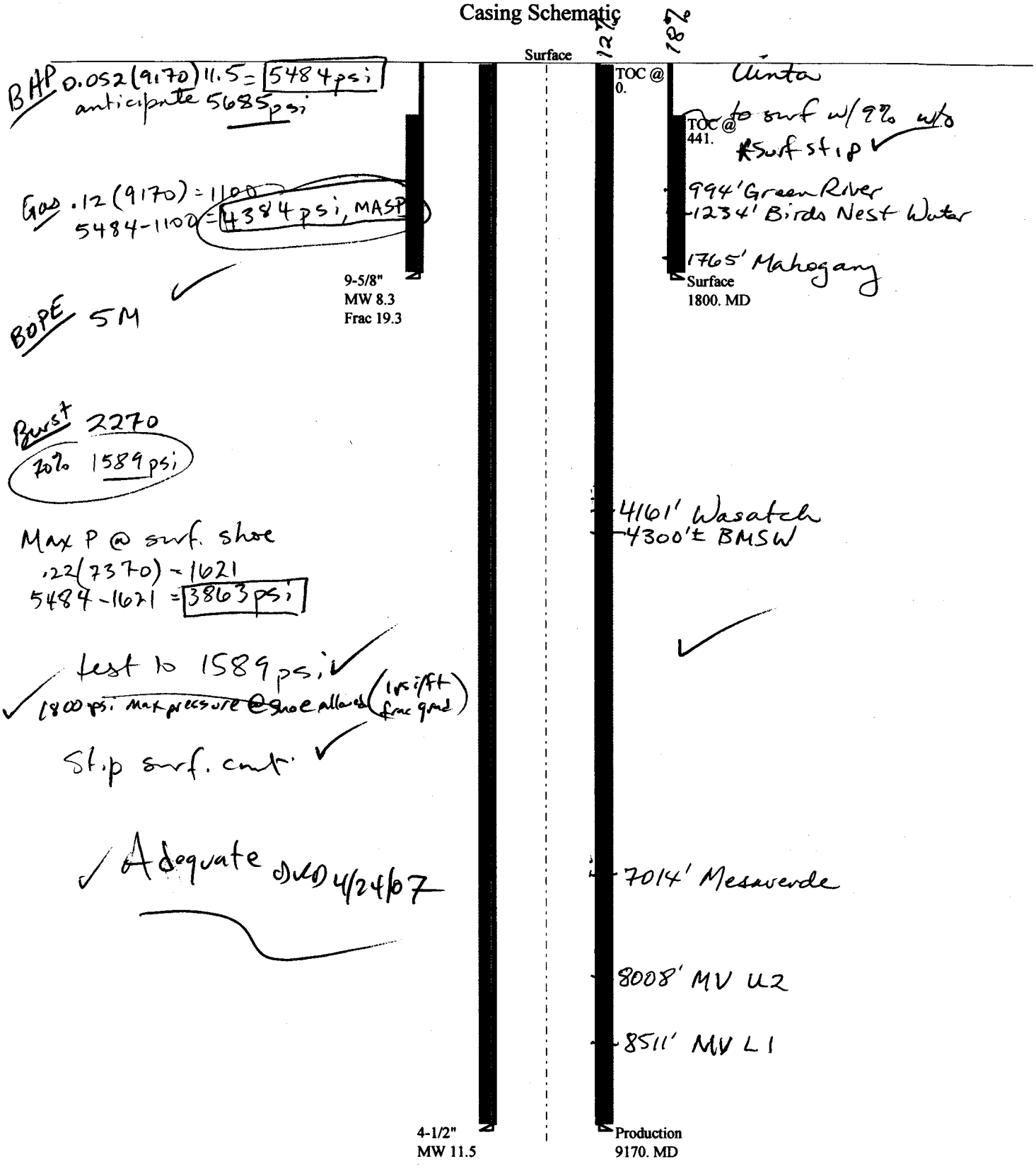
Ben Williams representing the UDWR stated the area is classified as yearlong critical habitat for antelope. He stated that the lack of water not forage is the limiting factor affecting the herd in the area. He recommended no restrictions for antelope. No other wildlife is expected to be significantly affected. He gave Jim Davis of SITLA and Carroll Estes of Kerr McGee a copy of his wildlife evaluation and a UDWR recommended seed mix to be used when re-vegetating the location.

ATV's were used to access the site.

Floyd Bartlett	4/4/2007
Evaluator	**Date / Time**

2007-04 Kerr McGee NBU 1021-32B

Casing Schematic



Well name:	**2007-04 Kerr McGee NBU 1021-32B**
Operator:	**Kerr McGee Oil & Gas Onshore L.P.**
String type:	Surface
Project ID:	43-047-39027
Location:	Uintah County, Utah

Design parameters:

Collapse

Mud weight: 8.300 ppg
Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 1,584 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 1,800 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 1,581 ft

Environment:

H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 100 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,400 ft

Cement top: 442 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 9,170 ft
Next mud weight: 11.500 ppg
Next setting BHP: 5,478 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 1,800 ft
Injection pressure: 1,800 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft^3)
1	1800	9.625	32.30	H-40	ST&C	1800	1800	8.876	795.3

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	776	1370	1.765	1800	2270	1.26	51	254	4.98 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Minerals
Phone: (801) 538-5357
FAX: (801) 359-3940
Date: April 20,2007
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 1800 ft, a mud weight of 8.3 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	**2007-04 Kerr McGee NBU 1021-32B**
Operator:	**Kerr McGee Oil & Gas Onshore L.P.**
String type:	Production
Project ID:	43-047-39027
Location:	Uintah County, Utah

Design parameters:

Collapse
Mud weight: 11.500 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 3,461 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 5,478 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 7,594 ft

Environment:
H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 203 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Cement top: Surface

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft^3)
1	9170	4.5	11.60	I-80	LT&C	9170	9170	3.875	800.2

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	5478	6360	1.161	5478	7780	1.42	88	212	2.41 J

Prepared by: Helen Sadik-Macdonald, Div of Oil,Gas & Minerals
Phone: (801) 538-5357
FAX: (801) 359-3940
Date: April 19,2007
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 9170 ft, a mud weight of 11.5 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

February 7, 2007

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2007 Plan of Development Natural Buttes Unit Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2007 within the Natural Buttes Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION

(Proposed PZ Wasatch/MesaVerde)

43-047-39004	NBU 1021-19C	Sec. 19	T. 10S	R. 21E	0620 FNL	1904 FWL
43-047-39005	NBU 1021-19D	Sec. 19	T. 10S	R. 21E	0637 FNL	0755 FWL
43-047-39006	NBU 1021-19E	Sec. 19	T. 10S	R. 21E	2146 FNL	0879 FWL
43-047-39007	NBU 1021-19K	Sec. 19	T. 10S	R. 21E	2181 FSL	2092 FWL
43-047-39008	NBU 1021-19N	Sec. 19	T. 10S	R. 21E	0462 FSL	1845 FWL
43-047-39009	NBU 1021-29L	Sec. 29	T. 10S	R. 21E	1398 FSL	0190 FWL
43-047-39010	NBU 1021-29O	Sec. 29	T. 10S	R. 21E	0615 FSL	2115 FEL
43-047-39011	NBU 1021-29N	Sec. 29	T. 10S	R. 21E	0250 FSL	1764 FWL
43-047-39012	NBU 1021-29J	Sec. 29	T. 10S	R. 21E	1532 FSL	2192 FEL
43-047-39013	NBU 1021-29K	Sec. 29	T. 10S	R. 21E	1804 FSL	2143 FWL
43-047-39014	NBU 1021-29I	Sec. 29	T. 10S	R. 21E	2060 FSL	0962 FEL
43-047-39015	NBU 1021-29G	Sec. 29	T. 10S	R. 21E	2090 FNL	1960 FEL
43-047-39016	NBU 1021-29F	Sec. 29	T. 10S	R. 21E	1718 FNL	1529 FWL
43-047-39017	NBU 1021-29E	Sec. 29	T. 10S	R. 21E	2635 FNL	1010 FWL
43-047-39018	NBU 1021-29C	Sec. 29	T. 10S	R. 21E	0476 FNL	2501 FWL
43-047-39019	NBU 1021-29A	Sec. 29	T. 10S	R. 21E	0170 FNL	0627 FEL
43-047-39020	NBU 1021-30I	Sec. 30	T. 10S	R. 21E	2131 FSL	0387 FEL
43-047-39021	NBU 1021-30J	Sec. 30	T. 10S	R. 21E	1901 FSL	1827 FEL
43-047-39022	NBU 1021-30K	Sec. 30	T. 10S	R. 21E	1398 FSL	2686 FWL
43-047-39023	NBU 1021-30L	Sec. 30	T. 10S	R. 21E	1602 FSL	0980 FWL
43-047-39024	NBU 1021-30M	Sec. 30	T. 10S	R. 21E	0612 FSL	0462 FWL

43-047-39025 NBU 1021-30N Sec. 30 T. 10S R. 21E 0942 FSL 1876 FWL
43-047-39026 NBU 1021-32A Sec. 32 T. 10S R. 21E 0646 FNL 0955 FEL
43-047-39027 NBU 1021-32B Sec. 32 T. 10S R. 21E 0837 FNL 2117 FEL
43-047-39028 NBU 1021-32C Sec. 32 T. 10S R. 21E 0664 FNL 1840 FWL
43-047-39029 NBU 1021-32F Sec. 32 T. 10S R. 21E 1909 FNL 2165 FWL
43-047-39001 NBU 1021-01G Sec. 01 T. 10S R. 21E 2660 FSL 1765 FEL
43-047-39002 NBU 1021-01O Sec. 01 T. 10S R. 21E 0245 FSL 2619 FEL
43-047-39003 NBU 1021-01P Sec. 01 T. 10S R. 21E 0888 FSL 1309 FEL
43-047-39030 NBU 1022-18A Sec. 18 T. 10S R. 22E 1007 FNL 0512 FEL
43-047-39031 NBU 1022-24I Sec. 24 T. 10S R. 22E 2045 FSL 1166 FEL
43-047-39032 NBU 1022-25B Sec. 25 T. 10S R. 22E 0403 FNL 1971 FEL
43-047-39033 NBU 1022-25H Sec. 25 T. 10S R. 22E 2604 FNL 0825 FEL

Our records indicate the NBU 1022-25H is closer than 460 feet from the Natural Buttes Unit boundary (approximately 36 feet).

We have no objections to permitting the wells so long as the unit operator receives an exception to the locating and siting requirements of the State of Utah (R649-3-2).

/s/ Michael L. Coulthard

bcc: File – Natural Buttes Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:2-7-07

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-21577

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME: UNIT # 891008900A

1. TYPE OF WELL: OIL WELL ☑ GAS WELL ☐ OTHER _____

8. WELL NAME and NUMBER: NBU 1021-32B

2. NAME OF OPERATOR: KERR McGEE OIL AND GAS ONSHORE LP

9. API NUMBER: 43-049-39027

3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST VERNAL UT 84078

PHONE NUMBER: (435) 781-7003

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 837' FNL 2117' FEL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNE 32 10S 21E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: _____	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☑ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion: _____	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER: _____
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

An onsite was conducted on 4/4/07 with a Division of Oil, Gas and Mining Representative and a SITLA Representative. It was decided to change the proposed 4" pipeline approximately 527' +/- to a 4" pipeline approximately 2,750' +/- and a 6" pipeline approximately 2,050' +/-.

Please refer to the Topo D

COPY SENT TO OPERATOR
Date: 5/24/07
Initials: CHD

NAME (PLEASE PRINT) RAMEY HOOPES TITLE LAND SPECIALIST I

SIGNATURE Ramey Hoopes DATE 4/24/2007

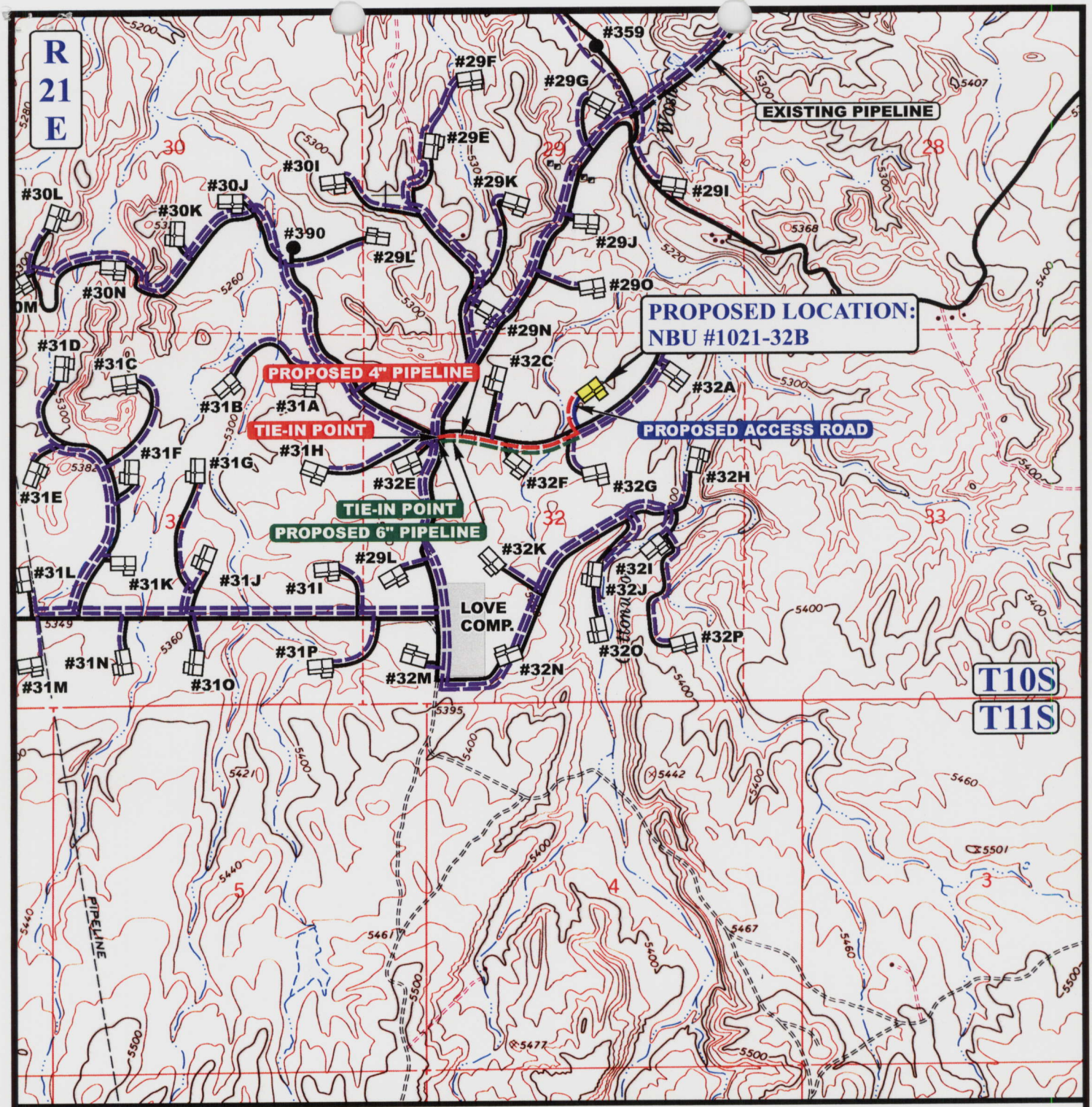
(This space for State use only)

Accepted by the
Utah Division of
Oil, Gas and Mining
For Record Only

(See Instructions on Reverse Side)

MAY 01 2007

(5/2000)



APPROXIMATE TOTAL 6" PIPELINE DISTANCE = 2,050' +/-

APPROXIMATE TOTAL 4" PIPELINE DISTANCE = 2,750' +/-

LEGEND:

PROPOSED ACCESS ROAD

EXISTING PIPELINE

PROPOSED PIPELINE

PROPOSED PIPELINE (SERVICING OTHER WELLS)

N

Kerr-McGee Oil & Gas Onshore LP

NBU #1021-32B
SECTION 32, T10S, R21E, S.L.B.&M.
837' FNL 2117' FEL

UELS
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	12 MONTH	11 DAY	06 YEAR
SCALE: 1" =2000'	DRAWN BY: A.A.	REVISED: 04-19-07C.P.	D TOPO

From: Ed Bonner
To: Mason, Diana
Date: 6/22/2007 10:23 AM
Subject: Well Clearance

CC: Davis, Jim; Garrison, LaVonne; Hill, Brad; Hunt, Gil

The following wells have been given cultural resources clearance by the Trust Lands Cultural Resources Group:

EOG Resources, Inc
- Chapita Wells Unit 1330-32 (API 43 047 39293)
- Chapita Wells Unit 1326-32 (API 43 047 39294)
- Chapita Wells Unit 1327-32 (API 43 047 39295)
- Chapita Wells Unit 1325-32 (API 43 047 39296)
- Chapita Wells Unit 1331-32 (API 43 047 39300)
- Chapita Wells Unit 1328-32 (API 43 047 39301)

Kerr McGee Oil & Gas Onshore LP
- NBU 1021-19M (API 43 047 38150)
- NBU 1021-32A (API 43 047 39026)
- NBU 1021-32B (API 43 047 39027)
- NBU 1021-32C (API 43 047 39028)
- NBU 1021-32F (API 43 047 39029)
- NBU 1021-32P (API 43 047 39127)
- NBU 1021-32O (API 43 047 39128)
- NBU 1021-32N (API 43 047 39129)
- NBU 1021-32M (API 43 047 39130)
- NBU 1021-32L (API 43 047 39131)
- NBU 1021-32K (API 43 047 39132)
- NBU 1021-32J (API 43 047 39133)
- NBU 1021-32I (API 43 047 39134)
- NBU 1021-32H (API 43 047 39135)
- NBU 1021-32G (API 43 047 39136)
- NBU 1021-32D (API 43 047 39137)
- NBU 1021-32E (API 43 047 39138)

Parallel Petroleum Corporation
- Trail Creek Anticline 1-2-6-25 (API 43 047 38324)

QEP Uinta Basin Inc
- GB 7SG-36-8-21 (API 43 047 38765)

If you have any questions regarding this matter please give me a call.

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil Gas and Mining

JOHN R. BAZA
Division Director

June 25, 2007

Kerr-McGee Oil & Gas Onshore, LP
1368 South 1200 East
Vernal, UT 84078

Re: Natural Buttes Unit 1021-32B Well, 837' FNL, 2117' FEL, NW NE, Sec. 32, T. 10 South, R. 21 Eat, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-39027.

Sincerely,

Gil Hunt
Associate Director

er
Enclosures

cc: Uintah County Assessor
Bureau of Land Management Vernal Office
SITLA

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • www.ogm.utah.gov

UTAH DNR OIL, GAS & MINING

Operator: Kerr-McGee Oil & Gas Onshore, LP

Well Name & Number Natural Buttes Unit 1021-32B

API Number: 43-047-39027

Lease: ML 21577

Location: NW NE **Sec.** 32 **T.** 10 South **R.** 21 Eat

Conditions of Approval

1. **General**

   Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. **Notification Requirements**

   The operator is required to notify the Division of Oil, Gas and Mining of the following action during drilling of this well:

   - 24 hours prior to cementing or testing casing – contact Dan Jarvis
   - 24 hours prior to testing blowout prevention equipment – contact Dan Jarvis
   - 24 hours prior to spudding the well – contact Carol Daniels
   - Within 24 hours of any emergency changes made to the approved drilling program – contact Dustin Doucet
   - Prior to commencing operations to plug and abandon the well – contact Dan Jarvis

   The operator is required to get approval from the Division of Oil, Gas and Mining before performing any of the following actions during the drilling of this well:

   - Plugging and abandonment or significant plug back of this well – contact Dustin Doucet
   - Any changes to the approved drilling plan – contact Dustin Doucet

   The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voice mail message if the person is not available to take the call):

   - Dan Jarvis at: (801) 538-5338 office (801) 942-0873 home
   - Carol Daniels at: (801) 538-5284 office
   - Dustin Doucet at: (801) 538-5281 office (801) 733-0983 home

3. **Reporting Requirements**

   All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.

5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

6. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

7. Surface casing shall be cemented to the surface.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:	ML-21577
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	NA
7. UNIT or CA AGREEMENT NAME:	Natural Buttes Unit
8. WELL NAME and NUMBER:	NBU 1021-32B
9. API NUMBER:	4304739027
10. FIELD AND POOL, OR WILDCAT:	Natural Buttes Field

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

2. NAME OF OPERATOR: Kerr-McGee Oil & Gas Onshore, LP

3. ADDRESS OF OPERATOR: PO Box 173779 CITY Denver STATE CO ZIP 80217-3779 PHONE NUMBER: (720) 929-6171

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 837 FNL & 2117 FEL COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNE 32 10S 21E STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: APD Extension
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Kerr McGee Oil and Gas Onshore, LP respectfully request a one year extension for NBU 1021-32B, in order to complete drilling operations. The Utah Division of Oil, Gas, and Mining initially approved this APD on 6/25/2007.

Approved by the Utah Division of Oil, Gas and Mining

Date: 07-08-08

By:

COPY SENT TO OPERATOR
Date: 7.9.2008
Initials: KS

NAME (PLEASE PRINT) Victoria Marques TITLE Regulatory Intern

SIGNATURE Victoria Marques DATE 6/23/2008

(This space for State use only)

RECEIVED
JUN 27 2008
DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

RESET

Application for Permit to Drill
Request for Permit Extension
Validation
(this form should accompany the Sundry Notice requesting permit extension)

API: 4304739027
Well Name: NBU 1021-32B
Location: NWNE 837 FNL & 2117 FEL Sec. 32 T 10S R 21E
Company Permit Issued to: Kerr McGee Oil and Gas Onshore, LP
Date Original Permit Issued: 6/25/2007

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes☐ No☑

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes☐ No☑

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes☐ No☑

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes☐ No☑

Has the approved source of water for drilling changed? Yes☐ No☑

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes☐ No☑

Is bonding still in place, which covers this proposed well? Yes☑ No☐

Victoria Marques
Signature

6/23/2008
Date

Title: Regulatory Intern

Representing: Kerr McGee Oil and Gas Onshore, LP

RECEIVED
JUN 27 2008
DIV. OF OIL, GAS & MINING

API Well No: 43047390270000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-21577

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 1021-32B

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047390270000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0837 FNL 2117 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 32 Township: 10.0S Range: 21.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 7/3/2009	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	✓ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Kerr-McGee Oil & Gas Onshore, L.P. (Kerr-McGee) respectfully requests an extension to this APD for the maximum time allowed. Please contact the undersigned with any questions and/or comments. Thank you.

Approved by the Utah Division of Oil, Gas and Mining

Date: June 30, 2009

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Danielle Piernot	720 929-6156	Regulatory Analyst
SIGNATURE N/A		**DATE** 6/30/2009

RECEIVED June 30, 2009

The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047390270000

API: 43047390270000
Well Name: NBU 1021-32B
Location: 0837 FNL 2117 FEL QTR NWNE SEC 32 TWNP 100S RNG 210E MER S
Company Permit Issued to: KERR-MCGEE OIL & GAS ONSHORE, L.P.
Date Original Permit Issued: 6/25/2007

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- **If located on private land, has the ownership changed, if so, has the surface agreement been updated?** ○ **Yes** ◉ **No**
- **Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?** ○ **Yes** ◉ **No**
- **Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?** ○ **Yes** ◉ **No**
- **Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?** ○ **Yes** ◉ **No**
- **Has the approved source of water for drilling changed?** ○ **Yes** ◉ **No**
- **Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?** ○ **Yes** ◉ **No**
- **Is bonding still in place, which covers this proposed well?** ◉ **Yes** ○ **No**

Approved by the Utah Division of Oil, Gas and Mining

Signature: Danielle Piernot **Date:** 6/30/2009
Title: Regulatory Analyst **Representing:** KERR-MCGEE OIL & GAS ONSHORE, L.P.

Date: June 30, 2009

By: Dustin Doucet

RECEIVED June 30, 2009

API Well No: 43047390270000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-21577

SUNDRY NOTICES AND REPORTS ON WELLS

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6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 1021-32B

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047390270000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0837 FNL 2117 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 32 Township: 10.0S Range: 21.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 1/28/2010	☐ ACIDIZE	✓ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Kerr-McGee Oil & Gas Onshore LP (Kerr-McGee) respectfully requests to change the surface casing for this well due to revised drilling practices. The surface casing depth is changing FROM: 1,800' TO: 1,910'. Additionally, the surface casing size is changing FROM: 9-5/8" TO: 8-5/8". Please see the attached drilling program for additional details. All other information remains the same. Please contact the undersigned with any questions and/or comments. Thank you.

Approved by the Utah Division of Oil, Gas and Mining

Date: February 02, 2010

By:

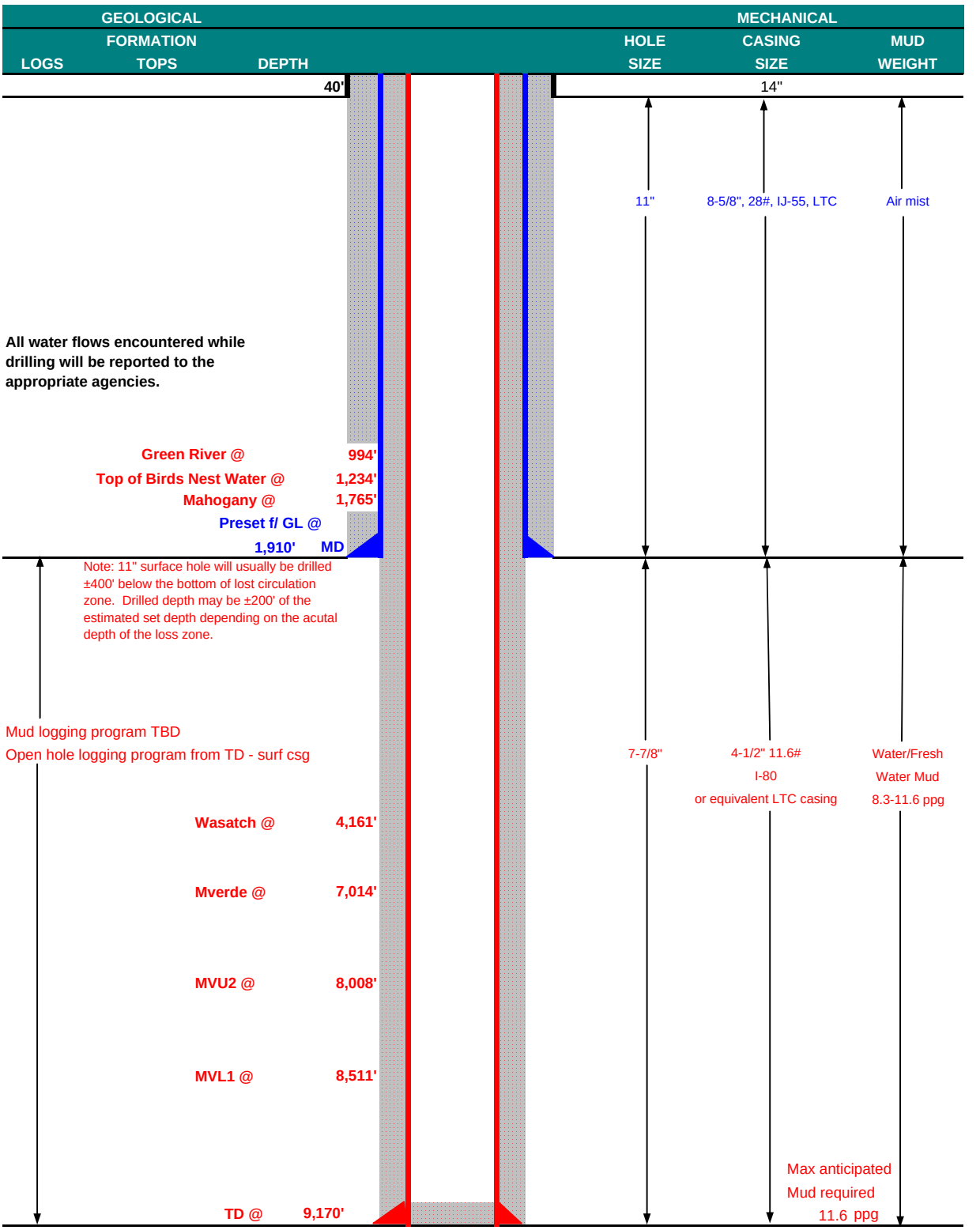
NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Danielle Piernot	720 929-6156	Regulatory Analyst
SIGNATURE N/A		**DATE** 1/26/2010

RECEIVED January 26, 2010

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP		DATE	January 26, 2010	
WELL NAME	**NBU 1021-32B**		TD	9,170' MD/TVD	
FIELD	Natural Buttes	COUNTY Uintah	STATE Utah	FINISHED ELEVATION	5,306'
SURFACE LOCATION	NW/4 NE/4 837' FNL 2,117' FEL	Sec 32 T 10S R 21E		BHL	Straight Hole
	Latitude: 39.909006	Longitude: -109.572767	NAD 27		
OBJECTIVE ZONE(S)	Wasatch/Mesaverde				
ADDITIONAL INFO	Regulatory Agencies: UDOGM (MINERALS), SITLA (SURFACE), UDOGM, Tri-County Health Dept.				



KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL			WT.	GR.	CPLG.	DESIGN FACTORS BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'								
								3,390	1,880	348,000
SURFACE	8-5/8"	0	to	1910	28.00	IJ-55	LTC	0.96	2.10	6.44
								7,780	6,350	201,000
PRODUCTION	4-1/2"	0	to	9170	11.60	I-80	LTC	2.21	1.15	2.17

*Burst on suface casing is controlled by fracture gradient as shoe with gas gradient above. D.F. = 2.82

1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point))

2) MASP (Prod Casing) = Pore Pressure at TD - (0.22 psi/ft-partial evac gradient x TD)

(Burst Assumptions: TD = 11.6 ppg) 0.22 psi/ft = gradient for partially evac wellbore

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

MASP 3,410 psi

3) Maximum Anticipated Bottom Hole Pressure (MABHP) = Pore Pressure at TD

(Burst Assumptions: TD = 11.6 ppg) 0.59 psi/ft = bottomhole gradient

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

MABHP 5,427 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl	215	60%	15.60	1.18
Option 1			+ .25 pps flocele				
	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt	40		15.60	1.18
			+ 2% CaCl + .25 pps flocele				
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE			**NOTE: If well will circulate water to surface, option 2 will be utilized**				
Option 2	LEAD	1500	Prem cmt + 16% Gel + 10 pps gilsonite	140	35%	11.00	3.82
			+.25 pps Flocele + 3% salt BWOC				
	TAIL	500	Premium cmt + 2% CaCl	150	35%	15.60	1.18
			+ .25 pps flocele				
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	3,660'	Premium Lite II + 3% KCl + 0.25 pps	320	60%	11.00	3.38
			celloflake + 5 pps gilsonite + 10% gel				
			+ 0.5% extender				
	TAIL	5,510'	50/50 Poz/G + 10% salt + 2% gel	1,540	60%	14.30	1.31
			+ 0.1% R-3				

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. The BOPE will be installed before the production hole is drilled and tested to 5,000 psi (annular to 2,500 psi) prior to drilling out the surface casing shoe. Record on chart recorder and tour sheet. Function test rams on each trip. Maintain safety valve and inside BOP on rig floor at all times. Most rigs have top drives; however, if used, the Kelly is to be equipped with upper and lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utililzed.

DRILLING ENGINEER: _____ **DATE:** _____

John Huycke / Emile Goodwin

DRILLING SUPERINTENDENT: _____ **DATE:** _____

John Merkel / Lovel Young

API Well No: 43047390270000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-21577

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 1021-32B

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047390270000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0837 FNL 2117 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 32 Township: 10.0S Range: 21.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 4/11/2010	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU PROPETRO AIR RIG ON 4/9/2010. DRILLED 11" SURFACE HOLE TO 1850'. RAN 8-5/8" 28# J55 SURFACE CSG. PUMP 100 BBLS OF H20 , PUMP 20 BBLS OF GEL WATER. LEAD CMT W/130 SX CLASS G HI FILL @ 11.0 PPG, 3.82 YD. TAILED CMT W/175 SX CLASS G PREM LITE @ 15.8 PPG, 1.15 YD. DROP PLUG ON FLY AND DISPLACE W/110.9 BBLS OF 8.3# H20 @ 5 BBLS/MIN. LAND PLUG 1000 PSI AND CHECK FLOAT. FLOAT HELD. TOP OUT W/125 SX 15.8 PPG, 1.15 YD, CLASS G PREM LITE DOWN 1", 2 BBLS OF CEMENT TO SURFACE. CEMENT FELL BACK . WAIT 2 HR AND PUMP TOP OUT #2 W/100 SX OF SAME CEMENT DOWN BACKSIDE. CEMENT TO SUFACE AND STAYED. WORT.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
April 13, 2010

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Andy Lytle	720 929-6100	Regulatory Analyst
SIGNATURE N/A		**DATE** 4/13/2010

RECEIVED April 13, 2010

API Well No: 43047390270000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-21577

SUNDRY NOTICES AND REPORTS ON WELLS

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7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 1021-32B

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

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PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0837 FNL 2117 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 32 Township: 10.0S Range: 21.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

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☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 5/5/2010	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

FINISHED DRILLING FROM 1850'-9236' ON 5-3-10. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. PUMP 40 BBLS SPACER, LEAD CEMENT W/ 445 SX CLASS G PREM LITE @ 12.4 PPG, 2.03 YD. TAILED W/ 1230 SX CLASS G 50/50 POX MIX @14.3 PPG, 1.31 YD. DISPLACED W/ 143 BBLS WATER, BUMPED PLUG, FLOATS HELD. RETURNED 30 BBLS TO SURFACE. RD CEMENTERS & CLEANED PITS. RELEASE PIONEER #69 RIG ON 5-5-10 @ 06:00 HRS.

Accepted by the Utah Division of Oil, Gas and Mining

FOR RECORD ONLY

May 06, 2010

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Andy Lytle	720 929-6100	Regulatory Analyst
SIGNATURE N/A		**DATE** 5/6/2010

RECEIVED May 06, 2010

API Well No: 43047390270000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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5.LEASE DESIGNATION AND SERIAL NUMBER: ML-21577

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 1021-32B

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047390270000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0837 FNL 2117 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 32 Township: 10.0S Range: 21.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
✓ SPUD REPORT Date of Spud: 3/3/2010	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE 10 PIPE. CMT W/28 SX READY MIX. SPUD WELL LOCATION ON 3/3/2010 AT 09:00 HRS.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
March 03, 2010

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Andy Lytle	720 929-6100	Regulatory Analyst
SIGNATURE N/A		**DATE** 3/3/2010

RECEIVED March 03, 2010

API Well No: 43047390270000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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5.LEASE DESIGNATION AND SERIAL NUMBER: ML-21577

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 1021-32B

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047390270000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0837 FNL 2117 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 32 Township: 10.0S Range: 21.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

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✓ DRILLING REPORT Report Date: 4/11/2010	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU PROPETRO AIR RIG ON 4/9/2010. DRILLED 11" SURFACE HOLE TO 1850'. RAN 8-5/8" 28# J55 SURFACE CSG. PUMP 100 BBLS OF H20 , PUMP 20 BBLS OF GEL WATER. LEAD CMT W/130 SX CLASS G HI FILL @ 11.0 PPG, 3.82 YD. TAILED CMT W/175 SX CLASS G PREM LITE @ 15.8 PPG, 1.15 YD. DROP PLUG ON FLY AND DISPLACE W/110.9 BBLS OF 8.3# H20 @ 5 BBLS/MIN. LAND PLUG 1000 PSI AND CHECK FLOAT. FLOAT HELD. TOP OUT W/125 SX 15.8 PPG, 1.15 YD, CLASS G PREM LITE DOWN 1", 2 BBLS OF CEMENT TO SURFACE. CEMENT FELL BACK . WAIT 2 HR AND PUMP TOP OUT #2 W/100 SX OF SAME CEMENT DOWN BACKSIDE. CEMENT TO SUFACE AND STAYED. WORT.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
April 13, 2010

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Andy Lytle	720 929-6100	Regulatory Analyst
SIGNATURE N/A		**DATE** 4/13/2010

RECEIVED April 13, 2010

API Well No: 43047390270000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-21577

SUNDRY NOTICES AND REPORTS ON WELLS

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6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 1021-32B

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047390270000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0837 FNL 2117 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 32 Township: 10.0S Range: 21.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
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	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	✓ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
✓ DRILLING REPORT Report Date: 5/22/2010	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE SUBJECT WELL WAS PLACED ON PRODUCTION ON MAY 22, 2010 AT 9:00 A.M. THE CHRONOLOGICAL WELL HISTORY WILL BE SUBMITTED WITH THE WELL COMPLETION REPORT.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
June 01, 2010

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Andy Lytle	720 929-6100	Regulatory Analyst
SIGNATURE N/A		**DATE** 5/24/2010

RECEIVED May 24, 2010

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ (highlight changes) FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER: ML 21577
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
8. WELL NAME and NUMBER: NBU 1021-32B
9. API NUMBER: 4304739027
10 FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ DRY ☐ OTHER
b. TYPE OF WORK: NEW WELL ☑ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER

2. NAME OF OPERATOR: KERR MCGEE OIL & GAS ONSHORE, L.P.

3. ADDRESS OF OPERATOR: P.O.BOX 173779 CITY DENVER STATE CO ZIP 80217
PHONE NUMBER: (720) 929-6100

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: NWNE 837' FNL & 2117' FEL
AT TOP PRODUCING INTERVAL REPORTED BELOW: NWNE 837' FNL & 2117' FEL
AT TOTAL DEPTH: NWNE 837' FNL & 2117' FEL

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNE 32 10S 21E S
12. COUNTY: UINTAH
13. STATE: UTAH

14. DATE SPUDDED: 3/3/2010
15. DATE T.D. REACHED: 5/3/2010
16. DATE COMPLETED: 5/22/2010 ABANDONED ☐ READY TO PRODUCE ☑
17. ELEVATIONS (DF, RKB, RT, GL): 5307 GL

18. TOTAL DEPTH: MD 9,236 TVD 9,233
19. PLUG BACK T.D.: MD 9,184 TVD 9,181
20. IF MULTIPLE COMPLETIONS, HOW MANY? *
21. DEPTH BRIDGE PLUG SET: MD TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
CBL/CCL/GR

23.
WAS WELL CORED? NO ☑ YES ☐ (Submit analysis)
WAS DST RUN? NO ☑ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☑ YES ☐ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
20"	14" STL	36.7#		40		28			
8 5/8"	11 IJ-55	28#		1,838		530			
7 7/8"	4 1/2 I-80	11.6#		9,228		1,675			

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	8,324							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) MESAVERDE	7,237	8,788	7,237	8,788
(B) WSMVD				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
7,237 8,788	0.36	196	Open ☑ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
7237 - 8788	PUMP 6848 BBLS SLICK H2O & 241,739 LBS 30/50 SAND

29. ENCLOSED ATTACHMENTS:
☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER:

30. WELL STATUS: PROD

RECEIVED
JUL 01 2010
DIV. OF OIL, GAS & MINING

(5/2000) (CONTINUED ON BACK)

31. INITIAL PRODUCTION — **INTERVAL A (As shown in item #26)**

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
5/22/2010	5/29/2010	24		27	2,169	128	FLOWING

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:
22/64	327	1,745					27	2,169	128	PROD

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

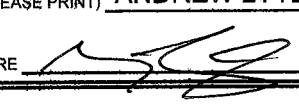
Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
GREEN RIVER	908				
BIRD'S NEST	1,179				
MAHOGANY	1,657				
WASATCH	4,168	7,026			
MESAVERDE	7,026	9,236	TD		

35. ADDITIONAL REMARKS (Include plugging procedure)

ATTACHED IS THE CHRONOLOGICAL WELL HISTORY AND FINAL SURVEY.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) ANDREW LYTLE TITLE REGULATORY ANALYST

SIGNATURE  DATE 6-25-2010

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

(5/2000)

US ROCKIES REGION

Operation Summary Report

Well: NBU 1021-32B	Spud Conductor: 3/3/2010	Spud Date: 4/9/2010
Project: UTAH-UINTAH	Site: NBU 1021-32B	Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 3/16/2010	End Date: 5/5/2010
Active Datum: RKB @5,325.01ft (above Mean Sea Leve	UWI: NW/NE/0/10/S/21/E/32/0/0/6/PM/N/837.00/E/0/2,117.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
4/9/2010	15:00 - 21:00	6.00	MIRU	01	A	P		MOVE RIG TO THE NBU 1021-32B, DRESS CONDUCTOR, INSTALL AIR BOWL AND BOWIE LINE, CLEAN UP LOCATION F/ BUCKET RIG
	21:00 - 21:30	0.50	PRPSPD	01	B	P		RIG UP PUMP. PRIME PUMPS, P/U MOTOR .16 RPG 1.5 DEG. SN 8065, M/U 11" Q507F SN 701894! 2ND RUN,
	21:30 - 0:00	2.50	DRLSUR	02	A	P		DRILL 11" SURFACE HOLE F/40'- 270' (230' 92'/HR) PSI ON/ OFF 1200/900, UP/ DOWN/ ROT 21/19/19. SURVEY @ 500' 1.0 DEG
4/10/2010	0:00 - 4:00	4.00	DRLSUR	02	A	P		DRILL 11" SURFACE HOLE F/270'-650' (380' 95'/HR PSI ON/ OFF 1200/900, UP/ DOWN/ ROT 24/20/22. SURVEY @ 500' 1.0 DEG
	4:00 - 8:00	4.00	MAINT	08	B	X		MAIN PUMP STARTED ACTING UP, FINALLY STARTED BLOWING OIL ALL OVER MTR; WAITING ON MECHANIC OR ANOTHER PUMP, REPAIR PUMP, NOSE CONE SEAL
	8:00 - 14:00	6.00	DRLSUR	02	A	P		DRILL 11" SURFACE HOLE F/650'-1000' (350' 59'/HR) PSI ON/ OFF 1200/900, UP/ DOWN/ ROT 64/59/61.
	14:00 - 14:30	0.50	DRLSUR	10	C	P		DEVIATION SURVEY@ 1000' .3 DEGREES 29.1 AZ
	14:30 - 19:00	4.50	DRLSUR	02	A	P		DRILL 11" SURFACE HOLE F/1000'-1850' (850' 188'/HR) PSI ON/ OFF 1200/900, UP/ DOWN/ ROT 78/71/74.
	19:00 - 20:00	1.00	DRLSUR	05	A	P		CIRC AND COND HOLE FOR SURFACE CSG
	20:00 - 20:30	0.50	DRLSUR	10	C	P		DEVIATION SURVEY @ TD 1800' .2 DEGREES 139.0 AZ
	20:30 - 23:30	3.00	DRLSUR	06	A	P		LDDS,AND BHA
	23:30 - 0:00	0.50	CSG	12	A	P		RUN 41 JTS OF 8-5/8", 28#, IJ-55 CSG W/ 8 RD LTC THREADS AND LAND FLOAT SHOE @ 1824' KB. BAFFLE PLATE RAN IN TOP OF SHOE JT LANDED @ 1777' KB. FILL CSG 600'
4/11/2010	0:00 - 3:00	3.00	DRLSUR	12	C	P		RUN 41 JTS OF 8-5/8", 28#, IJ-55 CSG W/ 8 RD LTC THREADS AND LAND FLOAT SHOE @ 1824' KB. BAFFLE PLATE RAN IN TOP OF SHOE JT LANDED @ 1777' KB. FILL CSG 600'
	3:00 - 3:30	0.50	RDMO	01	E	P		RIG DOWN RIG, MOVE OUT, RELEASE RIG @ 03:30
	3:30 - 7:00	3.50	CSG	12	E	P		HELD SAFETY MEETING, TEST LINES TO 2000' PSI, PUMP 100 BBLS OF H20 , PUMP 20 BBLS OF GEL WATER. PUMP 130 SX (88.4 BBLS) OF 11#, 3.82 YD, 23 GAL SX HI FILL LEAD CEMENT. PUMP 175 SX (35.8 BBLS) OF 15.8#, 1.15 YD, 5 GAL/SK TAIL CEMENT, DROP PLUG ON FLY AND DISPLACE W/ 110.9 BBLS OF 8.3# H20, @ 5 BBLS/MIN. LAND PLUG 1000 PSI AND CHECK FLOAT. FLOAT HELD. PUMP 125 SX (25.6 BBLS) OF 4% CALC 15.8# 1.15 YD, 5 GAL/SK CEMENT DOWN 1" 2 BBLS OF CEMENT TO SURFACE. CEMENT FELL BACK . WAIT 2 HR AND PUMP 100 SX (20.4 BBLS) OF SAME CEMENT DOWN BACKSIDE. CEMENT TO SUFACE AND STAYED.
4/24/2010	0:00 - 10:00	10.00	DRLPRO	01	E	P		RDRT LOWER DERIICK RD SUB, TRUCKS ON LOCATION 07:00. 4 BED TRUCKS, 1 HAUL TRUCK, 1FL, 1 CRANE. .25 ML MOVE
	10:00 - 15:00	5.00	DRLPRO	01	B	P		RU THE SUB DERICK, BACK YARD, RUN ELECTRIC. PARTIALLY RU. TRUCKS RELEASED @ 13:00 CRANE RELEASED @ 15:00

Operation Summary Report

Well: NBU 1021-32B	Spud Conductor: 3/3/2010	Spud Date: 4/9/2010
Project: UTAH-UINTAH	Site: NBU 1021-32B	Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 3/16/2010	End Date: 5/5/2010
Active Datum: RKB @5,325.01ft (above Mean Sea Leve	UWI: NW/NE/0/10/S/21/E/32/0/0/6/PM/N/837.00/E/0/2,117.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	15:00 - 22:00	7.00	DRLPRO	08	A	Z		REPLACED AND ADJ NEW BRAKE BANDS, CHANGED OUT THE WHICHITA.
	22:00 - 0:00	2.00	DRLPRO	01	B	P		PU THE SWIVEL/KELLY AND RU THE FLOOR
4/25/2010	0:00 - 1:00	1.00	DRLPRO	01	B	P		FINISH RU THE FLOOR
	1:00 - 5:00	4.00	DRLPRO	14	A	P		NU THE BOP, CHOKE MANIFOLD AND ASSOCIATED EQUIP.
	5:00 - 9:30	4.50	DRLPRO	15	A	P		TESTED THE BLIND RAMS, PIPE RAMS,UPPER KELLY COCK, LOWER KELLY COCK, FLOOR VALVE, INSIDE BOP, CHOKE VALVE, KILL LINE VALVES, MANIFOLD VALVES, AND SUPER CHOKE TO 250#/LOW/5 MIN 5000#/HIGH/10 MIN. TESTED THE ANNULAR TO 250#/LOW/5 MIN AND 2500#/HIGH/10 MIN. TESTED THE CASING TO 1500#/30 MIN.
	9:30 - 11:00	1.50	DRLPRO	09	A	P		SLIPPED AND CUT 150' OF DRILLING LINE
	11:00 - 11:30	0.50	DRLPRO	07	A	P		RIG SERVICE
	11:30 - 12:00	0.50	DRLPRO	14	B	P		INSTALLED THE WEAR BUSHING
	12:00 - 17:00	5.00	DRLPRO	06	A	P		PU BIT, .29 MUD MOTOR, 1 MONEL, MWD SUB, 1 MONEL, 11 DC, 3 HWDP, AND DP TO TIH. TAGGED CEMENT @ 1640'
	17:00 - 20:00	3.00	DRLPRO	02	F	P		DRILLING CEMENT/ FLT EQIP.
	20:00 - 21:30	1.50	DRLPRO	02	B	P		DRILL F/ 1864' - 1991' (127' @ 84.6' HR) WATER, RPM 50,MMRPM128,WOB14 - 16K, SPM 120, GPM 442, UP/SO/ROT 80/70/75, PUMP ON /OFF 2085/2200,DIFF 950/1250 PSI
	21:30 - 22:00	0.50	DRLPRO	10	B	Z		SURVEY @ 1906' 1.23 DEG. @ 177.88 AZM. EXTREMEM TOOL WAS NOT WORKING. IT WAS TESTED ON THE TIH
	22:00 - 0:00	2.00	DRLPRO	02	B	P		DRILL F/ 1991' - 2187' (196' @ 98' HR) WATER, RPM 50,MMRPM128,WOB 16-18K, SPM 120, GPM 442, UP/SO/ROT 80/70/75, PUMP ON /OFF 2085/2200,DIFF 950/1250 PSI
4/26/2010	0:00 - 13:00	13.00	DRLPRO	02	B	P		DRILL F/ 2187' - 3421' (1234' @ 95' HR) WATER, RPM 50,MMRPM128,WOB 16-18K, SPM 120, GPM 442, UP/SO/ROT 95/85/90, PUMP ON /OFF 2085/2200,DIFF 1090/1270 PSI
	13:00 - 13:30	0.50	DRLPRO	07	A	P		RIG SERVICE
	13:30 - 0:00	10.50	DRLPRO	02	B	P		DRILL F/ 3421' - 4630' (1209' @ 115.2' HR) WATER, RPM 50,MMRPM128,WOB 16-18K, SPM 120, GPM 442, UP/SO/ROT 120/110/ 114, PUMP ON /OFF 1580/1170 ,DIFF 300-350 PSI
4/27/2010	0:00 - 2:00	2.00	DRLPRO	05	B	X		WE TOOK A KICK @ 4630'. WELL WAS SHUT IN. 800 PSI/CSG. NC/DP. WE CIRC. THE GAS KICK OUT THROUGH THE CHOKE. WE DROPPED THE PIT LEVEL AND BROUGHT OVER WEIGHTED MUD. CIRCULATED THE MUD AROUND WHILE GOING THROUGH THE CHOKE. WHEN THE FULL MUD VOLUME WAS 9.7 AND NO GAS WE RESUMED NORMAL OPERATIONS.
	2:00 - 9:00	7.00	DRLPRO	02	B	P		DRILL F/ 4630' - 5138" (508' @ 72.6'/ HR) 37 VIS 10.1PPG, RPM 50,MMRPM128,WOB 18K, SPM 120, GPM 442, UP/SO/ROT 130/105/ 120, PUMP ON /OFF 1990/1600,DIFF 300-350 PSI
	9:00 - 9:30	0.50	DRLPRO	07	A	P		RIG SERVICE
	9:30 - 0:00	14.50	DRLPRO	02	B	P		DRILL F/ 5138' - 5968' (830' @ 57.2'/ HR) 38 VIS 10.3PPG, RPM 50,MMRPM128,WOB 18K, SPM 120, GPM 442, UP/SO/ROT 130/105/ 120, PUMP ON /OFF 2000/1750,DIFF 250 - 300 PSI

US ROCKIES REGION

Operation Summary Report

Well: NBU 1021-32B	Spud Conductor: 3/3/2010	Spud Date: 4/9/2010
Project: UTAH-UINTAH	Site: NBU 1021-32B	Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 3/16/2010	End Date: 5/5/2010
Active Datum: RKB @5,325.01ft (above Mean Sea Leve	UWI: NW/NE/0/10/S/21/E/32/0/0/6/PM/N/837.00/E/0/2,117.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
4/28/2010	0:00 - 14:30	14.50	DRLPRO	02	B	P		DRILL F/ 5968' TO 6424' (456' @ 31.4' HR) WOB 20-23 ,RPM 35-60,MM RPM 86,SPM 110 ,GPM 416, UP/SO/ROT 140-130-135,ON/OFF 1880-1650 ,DIFF 200-350,MW 10.7, VIS 38
	14:30 - 15:00	0.50	DRLPRO	07	A	P		RIG SERVICE
	15:00 - 0:00	9.00	DRLPRO	02	B	P		DRILL F/ 6424' TO 6709' (285'@ 31.6' HR) WOB 22-25,RPM 45-70,MMRPM 94 ,SPM 120, GPM 454 ,UP/SO/ROT 145-135-142,ON/OFF 2400-2075,DIFF 125-320, MW 11,VIS 42
4/29/2010	0:00 - 3:30	3.50	DRLPRO	02	B	P		DRILL F/ 6709' TO 6803' (94' @ 28.4' HR) WOB 22-25,RPM 55-70,MMRPM 94, SPM 120 ,GPM 454, UP/SO/ROT 145-135-142, ON/OFF 2400-2075,DIFF 125-320, MW 11 ,VIS 42
	3:30 - 5:00	1.50	DRLPRO	05	C	P		CIRC,BUILD & PUMP PILL,DROP SURVEY
	5:00 - 6:30	1.50	DRLPRO	06	A	P		TFNB, TIGHT F/ 5370' TO 4855'
	6:30 - 7:30	1.00	DRLPRO	05	A	S		KELLY UP WORK PIPE FREE @ 4855, CIRC BTMS UP
	7:30 - 8:00	0.50	DRLPRO	06	A	S		TIH TO 5855'
	8:00 - 10:30	2.50	DRLPRO	05	B	S		INCREASE MUD WT TO 11.5, VIS 44 ,SOME SHALE SLIVERS IN RETURNS NOT ALOT
	10:30 - 14:30	4.00	DRLPRO	06	A	P		TOOH L/D IBS,MOTOR & BIT ,(BIT,IBS & 1ST MONEL DC BALLED UP)
	14:30 - 19:00	4.50	DRLPRO	06	A	P		P/U NEW Q506F BIT,.16 MUD MOTOR TIH ,FILL PIPE @ SHOE
	19:00 - 20:00	1.00	DRLPRO	03	D	P		WASH 75' TO BTM 6' FILL
	20:00 - 0:00	4.00	DRLPRO	02	B	P		DRILL F/ 6803' TO 7017' (214' @ 53.5' HR) WOB 18-20,RPM 50-55,MMRPM 72 ,SPM 120, GPM 454 ,UP/SO/ROT 145-135-143, ON/OFF 2475-2275 ,DIFF 120-280 MW 11.8,VIS 47
4/30/2010	0:00 - 11:00	11.00	DRLPRO	02	B	P		DRILL F/ 7017' TO 7486 (469' @ 42.6' HR) WOB 18-20 ,RPM 45-55 ,MMRPM 74 ,SPM 120 ,GPM 454 ,UP/SO/ROT 149-137-148 ,ON/OFF 2490-2280 ,DIFF 120-280 ,MW 11.7 ,VIS 43
	11:00 - 11:30	0.50	DRLPRO	07	A	P		RIG SERVICE
	11:30 - 21:00	9.50	DRLPRO	02	B	P		DRILL F/ 7486' TO 7865' (379' @ 39.8' HR) WOB 20-22 ,RPM 50-60 ,MM RPM 74 ,SPM 120 ,GPM 454 ,UP/SO/ROT 155/140/152 ,ON/OFF 2440-2250 ,DIFF 100-350 , MW 12 ,VIS 45
	21:00 - 22:30	1.50	DRLPRO	10	B	P		CIRC & SURVEY , 2.8 INC ,15 AZM @ 7790'
	22:30 - 0:00	1.50	DRLPRO	02	B	P		DRILL F/ 7865' TO 7928' (63' @ 42' HR) WOB 20-22 RPM 55-60 ,MMRPM 74 ,SPM 120 ,GPM 454 ,UP/SO/ROT 160-145-155, ON/OFF 2440-2250 ,DIFF 150-350
5/1/2010	0:00 - 15:30	15.50	DRLPRO	02	B	P		DRILL F/ 7928' TO 8465' (537' @ 34.6' HR) WOB 20-22 ,RPM 50-60 ,MMRPM 74 ,SPM 120 ,GPM 454 ,UP/SO/ROT 180-140-165 ,ON/OFF 2560-2335 ,DIFF 100-350
	15:30 - 16:00	0.50	DRLPRO	07	A	P		RIG SERVICE
	16:00 - 0:00	8.00	DRLPRO	02	B	P		DRILL F/ 8465' TO 8655 (190' @ 23.7' HR) WOB 22-26 ,RPM 40-60 ,MMRPM 74 ,SPM 120 ,GPM 454 ,UP/SO/ROT 168-155-165 ,ON/OFF 2735-2440 ,DIFF 100-290 ,WT 12.2 ,VIS 46
5/2/2010	0:00 - 4:00	4.00	DRLPRO	02	B	P		DRILL F/ 8655' TO 8719' (64' @ 16' HR) WOB 23-26 ,RPM 40-60 ,MMRPM 74 ,SPM 120 ,GPM 454 ,UP-SO-ROT 168-155-165 , ON/OFF 2735-2440 ,DIFF 100-300 ,MW 12.2 ,VIS 46
	4:00 - 9:00	5.00	DRLPRO	06	A	P		PUMP PILL ,TOOH L/D EXTREME EM TOOL ,HANG OFF SUB, MOTOR ,BIT ,TIGHT F/ 7378 TO 6800 & 2648 TO 1942 , 30-50 K OVER ,BIT & 8' OF MOTOR BALLED UP

US ROCKIES REGION

Operation Summary Report

Well: NBU 1021-32B	Spud Conductor: 3/3/2010	Spud Date: 4/9/2010	
Project: UTAH-UINTAH	Site: NBU 1021-32B		Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 3/16/2010		End Date: 5/5/2010
Active Datum: RKB @5,325.01ft (above Mean Sea Leve	UWI: NW/NE/0/10/S/21/E/32/0/0/6/PM/N/837.00/E/0/2,117.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	9:00 - 11:00	2.00	DRLPRO	06	A	P		P/U NEW #3 BIT Q506F ,.16 MOTOR TIH TO SHOE
	11:00 - 12:00	1.00	DRLPRO	09	A	P		CUT & SLIP 80' DRLG LINE
	12:00 - 15:00	3.00	DRLPRO	06	A	P		TIH , FILL PIPE @ 6200' ,WASH 42' TO BTM ,NO FILL
	15:00 - 15:30	0.50	DRLPRO	07	A	P		RIG SERVICE
	15:30 - 0:00	8.50	DRLPRO	02	B	P		DRILL F/ 8719' TO 8958' (239' @ 28.1' HR) WOB 22-25 ,RPM 55, MMRPM 74 ,SPM 120 ,GPM 454 ,UP/SO/ROT 170-157-168 ,ON/OFF 2810-2620 ,DIFF 100-300 ,MW 12.4 ,VIS 47
5/3/2010	0:00 - 7:30	7.50	DRLPRO	02	B	P		DRILL F/ 8958' TO 9236' (278' @37' HR) WOB 23-25 ,RPM 50-60 ,MMRPM 74 ,SPM 120 ,GPM 454 ,UP/SO/ROT 185/150/175 ,ON/OFF 2730-2480 ,DIFF 125-300
	7:30 - 8:30	1.00	DRLPRO	05	C	P		CIRC F/ SHORT TRIP
	8:30 - 10:00	1.50	DRLPRO	06	E	P		SHORT TRIP 20 STANDS ,NO PROBLEMS
	10:00 - 12:00	2.00	DRLPRO	05	C	P		CIRC F/ TOOH TO LOG
	12:00 - 17:00	5.00	DRLPRO	06	A	P		TOOH F/ LOGS ,L/D 2-NMDC,MOTOR & BIT
	17:00 - 0:00	7.00	DRLPRO	11	C	P		SAFETY MEETING W/ BAKER ATLAS ,R/U & RUN TRIPLE COMB0 TO 9197' LOG OUT ,R/D LOGGERS (ON RUN IN TAG BRIDGE @ 5582' WORKED THROUGH)
5/4/2010	0:00 - 5:00	5.00	DRLPRO	06	A	P		P/U RR REED TRICONE BIT & BIT SUB TIH
	5:00 - 6:00	1.00	DRLPRO	03	D	P		WASH 93' TO BTM ,4' FILL
	6:00 - 7:00	1.00	DRLPRO	05	C	P		CIRC F/ LDDP ,SAFETY MEETING W/ KIMZEY & R/U L/D MACHINE
	7:00 - 14:30	7.50	DRLPRO	06	A	P		LDDP ,BREAK KELLY ,L/D BHA ,PULL WEAR RING
	14:30 - 15:00	0.50	DRLPRO	12	A	P		SAFETY MEETING W/ KIMZEY & R/U CASERS
	15:00 - 22:00	7.00	DRLPRO	12	C	P		RUN 218 JTS 4.5,11.6,I-80 ,SHOE @ 9228' ,FLOAT @ 9184' ,MARKER @ 4084' ,LAND ON HANGER @ 70K
	22:00 - 23:00	1.00	DRLPRO	05	D	P		R/U BJ CMT HEAD ,CIRC F/ CMT,R/D CASERS
	23:00 - 0:00	1.00	DRLPRO	12	E	P		SAFETY MEETING W/ BJ SERVICES,HOOK UP & START CEMENTING PROD CSG
5/5/2010	0:00 - 3:00	3.00	DRLPRO	12	E	P		CMT PROD CSG,PUMPED 40 BBLS PREFLUSH ,445 SX 12.4#,2.03 YIELD LEAD ,1230 SX 14.3#,1.31 YIELD TAIL,DISPLACE W/ 143 BBLS ,FINAL LIFT 2690,BUMP PLUG @ 3250 ,FLOATS HELD,30 BBLS LEAD CMT BACK TO PIT ,WASH OUT STACK ,R/D CEMENTERS
	3:00 - 6:00	3.00	DRLPRO	14	A	P		N/D BOP ,CLEAN PITS ,RELEASE RIG @ 06:00 TO NBU 1021-32A

US ROCKIES REGION

Operation Summary Report

Well: NBU 1021-32B	Spud Conductor: 3/3/2010	Spud Date: 4/9/2010
Project: UTAH-UINTAH	Site: NBU 1021-32B	Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 3/16/2010	End Date: 5/5/2010
Active Datum: RKB @5,325.01ft (above Mean Sea Leve	UWI: NW/NE/0/10/S/21/E/32/0/0/6/PM/N/837.00/E/0/2,117.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	6:00 - 6:00	0.00	DRLPRO					CONDUCTOR CASING: Cond. Depth set: 40 Cement sx used: SPUD DATE/TIME: 4/9/2010 21:30 SURFACE HOLE: Surface From depth:40 Surface To depth: 1,850 Total SURFACE hours: 17.00 Surface Casing size:8 5/8 # of casing joints ran: 41 Casing set MD:1,824.0 # sx of cement:530 Cement blend (ppg:)LEAD 11 ,TAIL 15.8 ,TOP OUT 15.8 Cement yield (ft3/sk): LEAD 1.15 ,TAIL 1.15 ,TOP OUT 1.15 # of bbls to surface: Describe cement issues: Describe hole issues: PRODUCTION: Rig Move/Skid start date/time: 4/24/2010 7:00 Rig Move/Skid finish date/time:4/25/2010 5:00 Total MOVE hours: 22.0 Prod Rig Spud date/time: 4/25/2010 17:00 Rig Release date/time: 5/5/2010 6:00 Total SPUD to RR hours:229.0 Planned depth MD 9,236 Planned depth TVD 9,236 Actual MD: 9,236 Actual TVD: 9,233 Open Wells $: $709,249 AFE $: $732,051 Open wells $/ft:$76.79 PRODUCTION HOLE: Prod. From depth: 1,864 Prod. To depth:9,236 Total PROD hours: 145 Log Depth: 9197 Production Casing size: 4.5 ,11.6 ,I-80 # of casing joints ran: 218 Casing set MD:9,228.0 # sx of cement:445 LEAD ,1230 TAIL Cement blend (ppg:)12.4 LEAD ,14.3 TAIL Cement yield (ft3/sk): 2.03 LEAD ,1.31 TAIL Est. TOC (Lead & Tail) or 2 Stage : SURFACE LEAD ,3500 TAIL Describe cement issues: 30 BBLS BACK TO PIT Describe hole issues: DIRECTIONAL INFO: KOP: Max angle: 2.30 Departure: Max dogleg MD: 2.81 @ 1906

US ROCKIES REGION

Operation Summary Report

Well: NBU 1021-32B	Spud Conductor: 3/3/2010	Spud Date: 4/9/2010
Project: UTAH-UINTAH	Site: NBU 1021-32B	Rig Name No: LEED 698/698
Event: COMPLETION	Start Date: 5/14/2010	End Date: 5/20/2010
Active Datum: RKB @5,325.01ft (above Mean Sea Leve	UWI: NW/NE/0/10/S/21/E/32/0/0/6/PM/N/837.00/E/0/2,117.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
5/14/2010	7:00 - 7:15	0.25	COMP	48		P		JSA- SAFETY MEETING #1
	7:15 - 15:00	7.75	COMP	30	A	P		ROAD RIG FROM NBU 1021-32G TO LOC, MIRU, N/D WELL HEAD, N/U BOPS, RIG UP TBG EQUIP, SDFWE
5/17/2010	7:00 - 7:15	0.25	COMP	48		P		JSA-SAFETY MEETING #2,
	7:15 - 12:00	4.75	COMP	31	I	P		P/U 3 7/8" BIT TIH W/ 2 3/8" J-55 TBG, TALLY TBG IN THE HOLE, RIH 280 JTS TBG TO @ 8905', BOTTOM PERF 8788',
	12:00 - 15:00	3.00	COMP	31	I	P		TOOH W/ TBG STANDING IN DERRICK, N/D BOPS, N/U FRAC VALVE, FILL CSG W/ WTR, SHUT WELL IN SDFN,
5/18/2010	7:00 - 7:15	0.25	COMP	48		P		JSA-SAFETY MEETING #3,
	7:15 - 8:00	0.75	COMP	33	C	P		R/U B & C QUICK TEST, PRESSURE TEST CSG AND FRAC VALVE TO 7000#, OK,
	8:00 - 15:00	7.00	COMP	37	B	P		(PERF STG #1) R/U CUTTER WIRELINE, RIH W/ 3 3/8" SCALLOP PERF GUNS, PERF THE MESAVERDE @ 8786' - 8788', 4-SPF, HOOK UP MUD PUMP TO CSG, PUMP DN CSG W/ BRK DN PERF @ 4150 # @ 1/2 B/M, ISIP = 3700 #, F.G = 0.86 , FINISH PERF STG #1 @ 8712' - 8714', 8648'- 8654', 4-SPF, USING 3 3/8" SCALLOP GUNS, 23 gm, 0.36 HOLE, 90* PHS, 40 HOLES, SHUT WELL IN, R/D CUTTER OFF WELL HEAD, PREPARE TO FRAC IN AM, SDFN
5/19/2010	6:30 - 7:00	0.50	COMP	48		P		JSA- SAFETY MEETING #4 W/ SUPERIOR, CUTTER AND RIG CREW,

Operation Summary Report

Well: NBU 1021-32B	Spud Conductor: 3/3/2010	Spud Date: 4/9/2010
Project: UTAH-UINTAH	Site: NBU 1021-32B	Rig Name No: LEED 698/698
Event: COMPLETION	Start Date: 5/14/2010	End Date: 5/20/2010
Active Datum: RKB @5,325.01ft (above Mean Sea Leve	UWI: NW/NE/0/10/S/21/E/32/0/0/6/PM/N/837.00/E/0/2,117.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation

	7:00 - 18:00	11.00	COMP	36	E	P		,,R/U SUPERIOR FRAC, PRESSURE TEST SURFACE LINES TO 8,000#, OK,
								
								(STG #1) BRK DN PERF @3440 # @ 4 B/M, INJ-RT = 45 B/M, INJ-P = 6560 #, ISIP = 3438 #, F.G.= 0.83, PUMP 3 BBLS 15 % HCL AHEAD OF INJ, CALC 50% PERF OPEN, PUMP 1245 BBLS SLK WTR & 37361# OTTAWA SAND, ISIP = 3368 #, F.G = 0.82 , NPI = -70 #, MP = 6629 #, MR = 51.5 B/M, AP = 5680 #, AR = 50 B/M, 32361# 30/50 SAND, 5000 # SLC SAND,
								COMMENTS = LATE START, COMPUTOR TROUBLE, STEP RATE DN ON CALC PERF OPEN, 6560# @ 45 B/M, 5710# @ 38 B/M, 5130# @ 33 B/M, 4490# @ 25 B/M, 3650# @ 9.2 B/M,
								
								(STG # 2) RIH W/ BAKER 8K CBP AND PERF GUNS, SET THE CBP @ 8591', PERF THE MESAVERDE @
								8558' - 8561', 4-SPF, BRK DN PERF @ 5880 # @ 1.4 B/M, ISIP = 4823 #, F.G.= 0.90 , FINISH PERF STG #2 @ 8530' - 8531', 8474' - 8478', 8350' - 8352', 4-SPF, USING 3 3/8" SCALLOP GUNS, 23 gm, 0.36 HOLE, 90* PHS, 40 HOLES, WHP =2575 #
								BRK DN PERF @ 3180 # @ 7.5 B/M, INJ-RT = 45 B/M, INJ-P = 6200 #, ISIP = 2910 #, F.G.= 0.78 , CALC 60% PERF OPEN, PUMP 2187 BBLS SLK WTR & 75030 # SAND, ISIP = 2624 #, F.G.= 0.75 , NPI = -286 #, MP = 6630 #, MR = 51.1 B/M, AP = 5609 # AR = 50.7 B/M, 70030 # 30/50 OTTAWA SAND, 5000 # SLC SAND,
								COMMENTS = STEP DN RATE ON CALC PERF OPEN, = 6268# @ 45 B/M, 5688# 2 38.6 B/M, 4560# @ 33.3 B/M, 4170# @ 24 B/M, 3180# @ 7.5 B/M,
								
								(STG # 3) RIH W/ BAKER 8K CBP AND PERF GUNS, SET THE CBP @ 8148', PERF THE MESAVERDE @
								8114' - 8118", 4-SPF, BRK DN PERF @ 3395 # @ 2.5 B/M, ISIP = 2310 #, F.G.= 0.72 , FINISH PERF STG #3 @ 8044' - 8046', 7826' - 7830', 4-SPF, USING 3 3/8" SCALLOP GUNS, 23 gm, 0.36 HOLE, 90* PHS, 40 HOLES, WHP = 1057#
								BRK DN PERF @ 3410 # @ 14 B/M, INJ-RT = 50 B/M, INJ-P = 4909 #, ISIP = 2600 #, F.G.= 0.76 , CALC 55% PERF OPEN, PUMP 826 BBLS SLK WTR & 24114 # SAND, ISIP = 2624 # F.G.= 0.75 , NPI = -286 #, MP = 5760 # MR = 51.7 B/M, AP = 490[illegible] # AR = 50.7 B/M, 19114 # 30/50 OTTAWA SAND, 5000 # SLC SAND,
								COMMENTS = STEP DN RATE ON CALC PERF OPEN, = 5885# @ 50 B/M, 5160# @ 42.6 B/M, 4515# @ 34.8 B/M, 3945# @ 26.9 B/M, 3410 # @ 1[illegible] B/M,
								
								(STG # 4) RIH W/ BAKER 8K CBP AND PERF GUNS, SET THE CBP @ 7677', PERF THE MESAVERDE @
								7644' - 7647', 4-SPF, BRK DN PERF @ 2922 # @ 2.5 B/M, ISIP = 2488 #, F.G.= 0.76 , FINISH PERF STG #4 @ 7614' - 7617', 7588' - 7592', 4-SPF, USING 3 3/8" SCALLOP GUNS, 23 gm, 0.36 HOLE, 90* PHS, 40 HOLES, WHP =1446 #
								BRK DN PERF @ 3020 # @ 9.6 B/M, INJ-RT = 50.7

Operation Summary Report

Well: NBU 1021-32B	Spud Conductor: 3/3/2010	Spud Date: 4/9/2010
Project: UTAH-UINTAH	Site: NBU 1021-32B	Rig Name No: LEED 698/698
Event: COMPLETION	Start Date: 5/14/2010	End Date: 5/20/2010
Active Datum: RKB @5,325.01ft (above Mean Sea Leve	UWI: NW/NE/0/10/S/21/E/32/0/0/6/PM/N/837.00/E/0/2,117.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation

								B/M, INJ-P = 5634 #, ISIP = 2762 #, F.G.= 0.80 , CALC 65% PERF OPEN, PUMP 744 BBLS SLK WTR & 23192 # SAND, ISIP = 310 #, F.G.= 0.84 , NPI = 346 #, MP = 5900 #, MR = 49.8 B/M, AP = 4980 #, AR = 48.9 B/M, 17192 # 30/50 OTTAWA SAND, 5000 # SLC SAND,
								COMMENTS = STEP DN RATE ON CALC PERF OPEN, = 5794# @ 50.7 B/M, 5090 # @ 43.1 B/M, 4460# @ 35.1 B/M, 3920 # @ 27.1 B/M, 3020 # @ 9.6 B/M,
								
								(STG # 5) RIH W/ BAKER 8K CBP AND PERF GUNS, SET THE CBP @ 7444', PERF THE MESAVERDE @
								7410' - 7414', 4-SPF, BRK DN PERF @ 2902 # @ 4.5 B/M, ISIP = 1772 #, F.G.= 0.68 , FINISH PERF STG #5 @ 7362' - 7364', 7237' - 7240', 4-SPF, USING 3 3/8" SCALLOP GUNS, 23 gm, 0.36 HOLE, 90* PHS, 40 HOLES, WHP = 432#
								BRK DN PERF @ 2545 # @ 9.4 B/M, INJ-RT = 50.7 B/M, INJ-P = 5242 #, ISIP = 2278 #, F.G.= 0.74 , CALC 60% PERF OPEN, PUMP 1846 BBLS SLK WTR & 82042 # SAND, ISIP = 2705 # F.G.= 0.80 , NPI = 427 #, MP = 6568 # MR = 51.2 B/M, AP = 4912 # AR = 50.6 B/M, 75012 # 30/50 OTTAWA SAND, 7000 # SLC SAND,
								COMMENTS = STEP DN RATE ON CALC PERF OPEN, = 5957# @ 50.6 B/M, 5250# @ 42.7 B/M, 4425# @ 35.1 B/M, 3110# @ 19.2 B/M, 2545# @ 9.4 B/M,
								
								(KILL PLUG) RIH W/ BAKER 8K CBP, SET CBP @ 7187', POOH SHUT WELL IN, R/D CUTTER WIRELINE AND SUPERIOR FRAC CREW. SDFN

5/20/2010	7:00 - 7:15	0.25	COMP	48		P		JSA-SAFETY MEETING #5

US ROCKIES REGION

Operation Summary Report

Well: NBU 1021-32B	Spud Conductor: 3/3/2010	Spud Date: 4/9/2010
Project: UTAH-UINTAH	Site: NBU 1021-32B	Rig Name No: LEED 698/698
Event: COMPLETION	Start Date: 5/14/2010	End Date: 5/20/2010
Active Datum: RKB @5,325.01ft (above Mean Sea Leve	UWI: NW/NE/0/10/S/21/E/32/0/0/6/PM/N/837.00/E/0/2,117.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:15 - 9:00	1.75	COMP	31	I	P		NO PRESSURE ON WELL, N/D FRAC VALVE, N/U BOPS. P/U 3 7/8" BIT AND POBS, TIH W/ 2 3/8" TBG, TAG @ 7177', R/U POWER SWIVEL, ESTB CIRC DN TBG OUT CSG, (DRLG CBP #1) 7187', DRILL OUT BAKER 8K CBP IN 10 MIN, 100# DIFF, RIH TAG SAND @ 7409', C/O 35' SAND, FCP = 25#, (DRLG CBP #2) 7444', DRILL OUT BAKER 8K CBP IN 9 MIN, 0# DIFF, RIH TAG SDAND @ 7652', C/O 25' SAND, FCP = 100#, (DRLG CBP #3) 7677', DRILL OUT BAKER 8K CBP IN 8 MIN, 75# DIFF, RIH TAG SAND @ 8133', C/O 15 SAND, FCP = 100#, (DRLG CBP #4) 8148', DRILL OUT BAKER 8K CBP IN 4 MIN, 50 # DIFF, RIH TAG SAND @ 8538', C/O 50' SAND, FCP = 150#, (DRLG CBP #5) 8688', DRILL OUT BAKER 8K CBP IN 7 MIN, 75 # DIFF, RIH TAG SAND @ 9053', C/O 107', TO PBTD 9160', CIRC WELL CLEAN, FCP = 300#, R/D POWER SWIVEL, P/O LAY DN27 JTS ON TRAILER, LAND TBG ON HANGER W/ 262 JTS 2 3/8" J-55 TBG, EOT # 8324.92', R/D FLOOR AND TBG EQUIP, N/D BOPS, DROP BALL DN TBG, N/U/ WH, PUMP OFF BIT SUB @ 1800 #, WAIT 30 MIN FOR BIT TO FALL, OPEN WELL TO TK W/ FTP = 500 #, SICP = 1200 #, TURN WELL OVER TO FLOW BACK CREW W/ 4688 BBLS WTR LTR, R/D EQUIP AND RIG, MOVE OFF SIDE LOC SDFWE. KB = 18:0(HANGER 5K = .83' 262 JTS 2 3/8" J-55 TBG = 8303.89' XN-NIPPLE / POBS = 2.20' EOT = 8324.92' 294 JTS 2 3/8" J-55 TBG DELV, 262 JTS 2 3/8" J-55 TBG LANDED 32 JTS 2 3/8" J-55 TBG RETURNED
5/21/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 1900#, TP 1175#, 20/64" CK, 38 BWPH, HEAVY SAND, - GAS TTL BBLS RECOVERED: 3267 BBLS LEFT TO RECOVER: 3581
5/22/2010	7:00 -		PROD	33	A			7 AM FLBK REPORT: CP 2600#, TP 1400#, 20/64" CK, 40 BWPH, HEAVY SAND, - GAS TTL BBLS RECOVERED: 4205 BBLS LEFT TO RECOVER: 2643
	9:00 -		PROD	50				WELL TURNED TO SALES @1100 HR ON 5/20/10 - 975 MCFD, 1200 BWPD, CP 2250#, FTP 1250#, CK 20/64"

US ROCKIES REGION

Operation Summary Report

Well: NBU 1021-32B	Spud Conductor: 3/3/2010	Spud Date: 4/9/2010
Project: UTAH-UINTAH	Site: NBU 1021-32B	Rig Name No: LEED 698/698
Event: COMPLETION	Start Date: 5/14/2010	End Date: 5/20/2010
Active Datum: RKB @5,325.01ft (above Mean Sea Leve	UWI: NW/NE/0/10/S/21/E/32/0/0/6/PM/N/837.00/E/0/2,117.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
5/23/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 2350#, TP 1500#, 20/64" CK, 28 BWPH, MED SAND, 1.6 GAS TTL BBLS RECOVERED: 4979 BBLS LEFT TO RECOVER: 1869
5/24/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 2200#, TP 1500#, 20/64" CK, 20 BWPH, MED SAND, 2 GAS TTL BBLS RECOVERED: 5539 BBLS LEFT TO RECOVER: 1309
5/25/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 2100#, TP 1425#, 20/64" CK, 18 BWPH, LIGHT SAND, 2.1 GAS TTL BBLS RECOVERED: 5907 BBLS LEFT TO RECOVER: 941
5/26/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 2025#, TP 1350#, 20/64" CK, 14 BWPH, TRACE SAND, 2 GAS TTL BBLS RECOVERED: 6293 BBLS LEFT TO RECOVER: 555

1 General

1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well Information

Well	NBU 1021-32B	**Wellbore No.**	OH
Well Name	NBU 1021-32B	**Common Name**	NBU 1021-32B
Project	UTAH-UINTAH	**Site**	NBU 1021-32B
Vertical Section Azimuth		**North Reference**	True
Origin N/S		**Origin E/W**	
Spud Date	4/9/2010	**UWI**	NW/NE/0/10/S/21/E/32/0/0/6/PM/N/837.00/E/0/2,117.00/0/0
Active Datum	RKB @5,325.01ft (above Mean Sea Level)		

2 Survey Name

2.1 Survey Name: Survey #1

Survey Name	Survey #1	**Company**	NA
Started	4/9/2010	**Ended**	
Tool Name	GMS	**Engineer**	Anadarko

2.1.1 Tie On Point

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)
14.00	0.00	0.00	14.00	0.00	0.00

2.1.2 Survey Stations

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	TFace (°)
4/9/2010	Tie On	14.00	0.00	0.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4/9/2010	NORMAL	514.00	1.00	214.00	513.98	-3.62	-2.44	-3.62	0.20	0.20	0.00	214.00
4/10/2010	NORMAL	1,014.00	0.30	29.10	1,013.96	-6.09	-4.24	-6.09	0.26	-0.14	35.02	178.87
	NORMAL	1,864.00	0.20	139.00	1,863.95	-5.27	-2.19	-5.27	0.05	-0.01	12.93	152.94

2.2 Survey Name: Survey #2

Survey Name	Survey #2	**Company**	EXTREME ENGINEERING
Started	4/25/2010	**Ended**	
Tool Name	MWD	**Engineer**	Anadarko

2.2.1 Tie On Point

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)
1,864.00	0.20	139.00	1,863.95	-5.27	-2.19

2.2.2 Survey Stations

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	TFace (°)
4/25/2010	Tie On	1,864.00	0.20	139.00	1,863.95	-5.27	-2.19	-5.27	0.00	0.00	0.00	0.00
4/25/2010	NORMAL	1,906.00	1.33	177.88	1,905.95	-5.81	-2.12	-5.81	2.81	2.69	92.57	44.98
4/26/2010	NORMAL	2,466.00	1.14	173.90	2,465.82	-17.84	-1.29	-17.84	0.04	-0.03	-0.71	-157.68
4/26/2010	NORMAL	3,010.01	0.53	200.18	3,009.76	-25.58	-1.58	-25.58	0.13	-0.11	4.83	160.56
4/26/2010	NORMAL	3,510.01	1.41	184.64	3,509.69	-33.89	-2.88	-33.89	0.18	0.18	-3.11	-24.51
4/26/2010	NORMAL	3,908.01	1.67	181.81	3,907.54	-44.56	-3.46	-44.56	0.07	0.07	-0.71	-17.72
4/26/2010	NORMAL	4,414.01	1.41	169.06	4,413.36	-58.05	-2.51	-58.05	0.08	-0.05	-2.52	-133.45
4/27/2010	NORMAL	4,953.01	1.41	186.91	4,952.20	-71.14	-2.05	-71.14	0.08	0.00	3.31	98.92
4/27/2010	NORMAL	5,459.01	1.14	191.21	5,458.08	-82.26	-3.78	-82.26	0.06	-0.05	0.85	162.63
4/28/2010	NORMAL	5,963.01	1.93	175.30	5,961.90	-95.64	-4.05	-95.64	0.18	0.16	-3.16	-36.45
4/29/2010	NORMAL	6,692.01	1.70	175.00	6,690.53	-118.64	-2.11	-118.64	0.03	-0.03	-0.04	-177.78
4/30/2010	NORMAL	7,790.02	2.80	15.00	7,788.19	-108.96	6.26	-108.96	0.40	0.10	-14.57	-167.52
5/2/2010	NORMAL	8,610.02	1.60	12.00	8,607.57	-78.41	13.82	-78.41	0.15	-0.15	-0.37	-176.02
5/3/2010	NORMAL	9,178.02	2.30	116.00	9,175.37	-75.65	25.72	-75.65	0.55	0.12	18.31	134.00
	NORMAL	9,236.02	2.30	116.00	9,233.32	-76.67	27.81	-76.67	0.00	0.00	0.00	0.00

API Well No: 43047390270000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-21577

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 1021-32B

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047390270000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 **PHONE NUMBER:** 720 929-6515 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0837 FNL 2117 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 32 Township: 10.0S Range: 21.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 3/9/2011	☐ ACIDIZE	☐ ALTER CASING	✓ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The operator requests approval to conduct wellhead/casing repair operations on the subject well location. Please find the attached procedures for the proposed repair work on the subject well location.

Approved by the Utah Division of Oil, Gas and Mining

Date: 03/10/2011

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Gina Becker	720 929-6086	Regulatory Analyst II
SIGNATURE N/A		**DATE** 3/9/2011

WORKORDER #: 88119328

Name: NBU 1021-32B 2/24/11
Surface Location: NWNE Sec. 32, T10S, R21E
Uintah County, UT

API: 4304739027 LEASE#: ML-21577

ELEVATIONS: 5307' GL 5325' KB

TOTAL DEPTH: 9236' PBTD: 9184'

SURFACE CASING: 8 5/8", 28# J-55 @ 1838'

PRODUCTION CASING: 4 1/2", 11.6#, I-80 @ 9228'
T.O.C.@ ~100 (per Completion Procedure)

PERFORATIONS: Mesaverde 7237' – 8788'

Tubular/Borehole	Drift inches	Collapse psi	Burst psi	Capacities		
				Gal./ft.	Cuft/ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1624	0.02173	0.00387
4.5" 11.6# I-80	3.875	6350	7780	0.6528	0.0872	0.01554
8.625" 28# J-55	8.097	1370	2950	2.6223	0.3505	0.0624
Annular Capacities						
2.375" tbg. X 4 ½" 11.6# csg				0.4227	0.0565	0.01006

GEOLOGICAL TOPS:

908' Green River
1179' Bird's Nest
1657' Mahogany
4168' Wasatch
7026' Mesaverde

NBU 1021-32B – WELLHEAD REPLACEMENT PROCEDURE

PREP-WORK PRIOR TO MIRU:

1. Dig out down to the 2" surface casing valve or to the valve on the riser off the surface casing.

2. Install a tee with 2 valves, with a pressure gauge and sensor on one valve.

3. Open casing valve and record pressures.

4. Install nipple and steel hose on the other valve, the relief valve,. Do not use hammer unions. No impact equipment or tools to be used for any of this installation. Extend hose and hard piping to a downwind location at least 100' from the wellhead. Consider installing a manifold so that vent area could be in two locations approx. 90 degrees apart from the wellhead.

5. Open the relief valve and blow well down to the atmosphere.

6. Make a determination of amount of gas flow, either by installation of a choke nipple, bucket test or other.

7. Shut well in. Observe for rate of build-up by utilizing sensor data. Do not build-up for more than 24 hours. Vent gas through the vent line and leave open to the atmosphere.

WORKOVER PROCEDURE:

1. MIRU workover rig.

2. Kill well with 10# brine / KCL (dictated by well pressure).

3. Remove tree, install double BOP with blind and 2 3/8" pipe rams, with accumulator closing unit and manual back-ups. Function test BOP system.

4. POOH w/ tubing laying down extra tubing.

5. Rig up wireline service. RIH and set CBP @ ~7187'. Dump bail 4 sx cement on top of plug. POOH and RD wireline service. TIH w/ tubing and seating nipple. Land tubing ±60' above cement. RDMO.

6. Monitor well pressures. If surface casing is dead. MIRU. ND WH and NU BOP. POOH w/ tubing.

7. Depending on conditions at wellsite, continue with either CUT/PATCH Procedure or BACK-OFF Procedure.

CUT/PATCH PROCEDURE:

1. PU internal casing cutters and RIH. Cut casing at +/- 30' from surface.

2. POOH, LD cutters and casing.

3. PU 7 3/8" overshot with 4 ½" right hand standard wicker grapple, 1 - 4 ¾" drill collar with 3 ½" IF threads, pup joint, manual bumper sub, and crossovers. If casing cut is deeper than ±30' utilize >7000 ft-lb torque pipe as needed. Pull a minimum of 10,000# to keep grapple engaged if cement top is high (<~900'). If cement top is low (>~900'), more weight will be required to put casing in neutral. Torque casing string to ±7000 ft-lbs, count number of turns to make-up, and document in the daily report. Ensure that tongs are safely anchored to rig and that all personnel are at a safe working distance from the tongs during torque-up and torque release. After initial make-up, place pipe torque to neutral and mark pipe. Place ±7000 ft-lbs on casing a second time, count turns, then return pipe torque to neutral and count turns. Repeat if torque-up turns do not equal torque release turns. Once torque-in equals torque-out, release overshot, POOH, and lay down.

4. TIH w/ skirted mill and dress off the fish top for approximately ½ hour. TOOH.

5. PU & RIH w/ 4 ½" 10k external casing patch on 4 ½" P-110 casing. Ensure that sliding sleeve assembly shifts ±3' and casing tags no-go portion of patch. NOTE: Shear pins will shear at 3500 to 4500 lbs.

6. Latch fish, PU to 100,000# tension. RU B&C. Cycle pressure test to 7,000# / 9,000# psi.

7. Install slips. Land casing w/ 80,000# tension.

8. Cut-off and dress 4 ½" casing stub.

9. NUWH. PU 3 7/8" bit, POBS and RIH. D/O cement and plug ~7137'. Clean out to PBTD (9184').

10. POOH, land tbg and pump off POBS.

11. NUWH, RDMO. Turn well over to production ops.

BACK-OFF PROCEDURE:

1. PU internal casing cutters and RIH. Cut casing at +/- 6' from surface.

2. POOH, LD cutters and casing.

3. PU 4 ½" overshot. RIH, latch fish. Pick string weight to neutral.

4. MIRU casing crew and wireline services. RIH and shoot string shot at casing collar @ ± 46'.

5. Back-off casing, POOH.

6. PU new casing joint with buttress threads and entry guide and RIH. Tag casing top. Thread into casing and torque up to ±7000 ft-lbs, count number of additional turns to make-up, and document in the daily report. Ensure that tongs are safely anchored to rig and that all personnel are at a safe working distance from the tongs during torque-up and torque release. After initial make-up, place pipe torque to neutral and mark pipe. Place ±7000 ft-lbs on casing a second time, count turns, then return pipe torque to neutral and count turns. Repeat if torque-up turns do not equal torque release turns. Once torque-in equals torque-out go to step 7.

7. PU 100,000# tension string weight. RU B&C. Cycle pressure test to 7,000# / 9,000# psi.

8. Install slips. Land casing w/ 80,000# tension.

9. Cut-off and dress 4 ½" casing stub.

10. NUWH. PU 3 7/8" bit, POBS and RIH. D/O cement and plug ~7137'. Clean out to PBTD (9184').

11. POOH, land tbg and pump off POBS.

12. NUWH, RDMO. Turn well over to production ops.

Logan High Pressure Casing Patches
Assembly Procedure

All parts should be thoroughly greased before being assembled.

1. Install all four Logan Type “L” Packers in the spaces provided in the Casing Patch Bowl. Refer to diagram provided for proper installation.

2. Install Packer Protector from the Basket Grapple end of the Bowl. The beveled end of the Packer Protector goes in first. Carefully push the Packer Protector through the four Type “L” Packers.

3. Align Shear Pin Holes in Packer Protector so that the holes have just passed into the counter bore at the Top Sub end, refer to diagram. The Packer Protector is provided with four Shear Pin Holes. Use only two holes, 180 degrees apart and install the pins.

4. Screw the Basket Grapple in from the lower end of the Bowl, using left-hand rotation. The Tang Slot in the Basket Grapple must land in line with the slot in the Bowl.

5. Insert the Basket Grapple Control into the end of the Bowl. Align Tang on the Basket Grapple Control with the Tang Slot of the Bowl and Basket Grapple. This secures the Bowl and the Basket Grapple together.

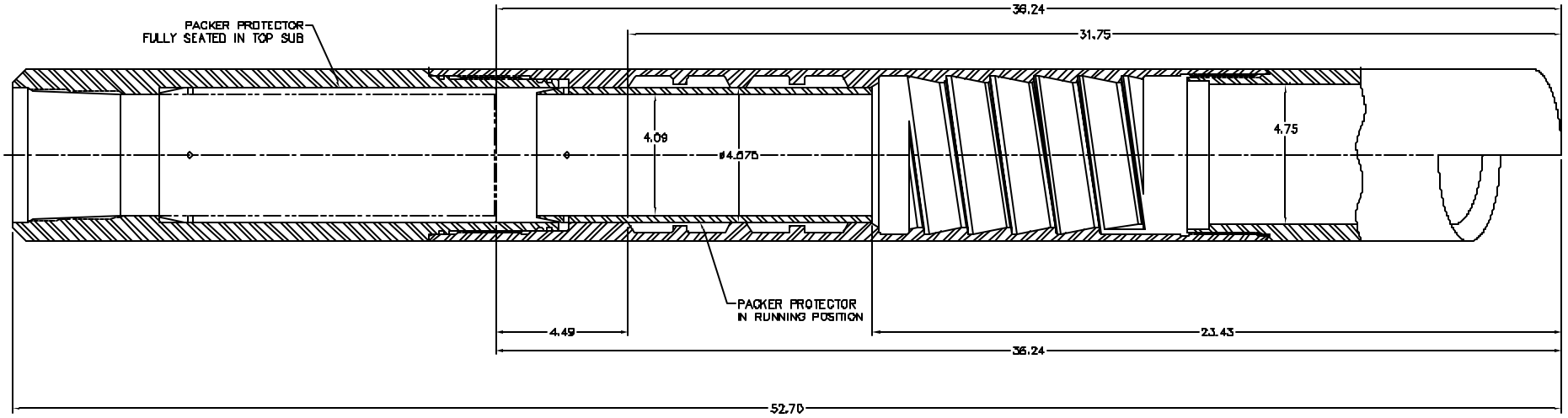
6. Install the Cutlipped Guide into the lower end of the Bowl.

7. Install O-Rings on the two five-foot long Extensions. Screw the first Extension into the top end of the Bowl. Screw the second Extension into the top end of the first Extension.

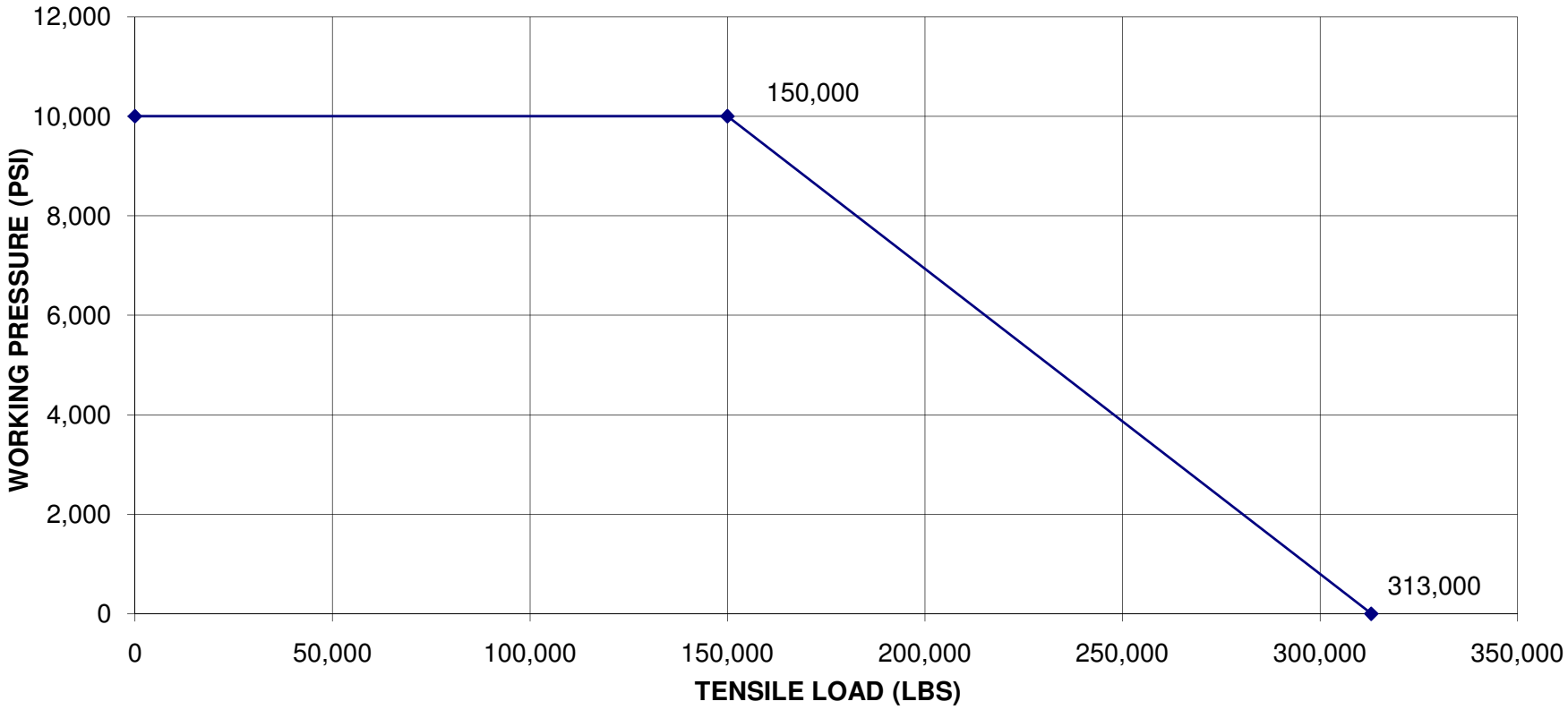
8. Install O-Ring on Top Sub. Screw Top Sub into top end of second Extension.

Follow recommended Make-Up Torque as provided in chart.

510L-005-001 4-1/2" LOGAN HP CASING PATCH



STRENGTH DATA FOR LOGAN 5.88" OD "L" TYPE CSG PATCH
4-1/2 CASING, 10K PSI MAX WP 125K YIELD MAT'L
LOGAN ASSEMBLY NO. 510L-005 -000



COLLAPSE PRESSURE:
11,222 PSI @ 0 TENSILE
8,634 PSI @ 220K TENSILE

Tensile Strength @ Yield:
Tensile Strength w/ 0 Int. Press.= 472,791lbs.
Tensile Strength w/ 10K Int. Press.= 313,748lbs.

DATA BY SLS 11/16/2009

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-21577

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 1021-32B

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047390270000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6515 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0837 FNL 2117 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 32 Township: 10.0S Range: 21.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	✓ CASING REPAIR
✓ SUBSEQUENT REPORT Date of Work Completion: 6/20/2011	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Wellhead Repair

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE OPERATOR HAS CONCLUDED WELLHEAD/CASING REPAIRS ON THE SUBJECT WELL LOCATION. PLEASE SEE THE ATTACHED CHRONOLOGICAL HISTORY FOR DETAILS OF THE OPERATIONS.

Accepted by the Utah Division of Oil, Gas and Mining

FOR RECORD ONLY

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Gina Becker	720 929-6086	Regulatory Analyst II
SIGNATURE N/A		**DATE** 6/20/2011

RECEIVED Jun. 20, 2011

US ROCKIES REGION

Operation Summary Report

Well: NBU 1021-32B	Spud Conductor: 3/3/2010	Spud Date: 4/9/2010	
Project: UTAH-UINTAH	Site: NBU 1021-32B		Rig Name No: SWABBCO 6/6
Event: WELL WORK EXPENSE	Start Date: 6/1/2011		End Date: 6/3/2011
Active Datum: RKB @5,325.00ft (above Mean Sea Level)	UWI: NW/NE/0/10/S/21/E/32/0/0/6/PM/N/837.00/E/0/2,117.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
6/1/2011	7:00 - 9:00	2.00	WO/REP	30		P		MOVE RIG & EQUIP FROM NBU 1022-14B PAD TO LOCATION
	9:00 - 9:15	0.25	WO/REP	48		P		JSA= WELL CONTROL
	9:15 - 17:00	7.75	WO/REP	30		P		SPOT RIG & EQUIP RU RIG & PUMP FWP=150 PSI PMP 20 BBLS TMAC DWN TUB ND W/H NU BOPS RU FLOOR & TUBING EQUIP PMP 20 BBLS TMAC DWN CSG UNLAND TUB POOH W/ 262 JNTS LD BHA RU W/L RIH W/ 10K CBP SET @ 7180' DUMP BAIL 4 SKS CEM IN TWO RUNS ON CBP FILL HOLE W/ TMAC PRESS TEST TO 1000# SIW PREP TO REPAIR W/H IN AM SDFN
6/2/2011	7:00 - 7:15	0.25	WO/REP	48		P		JSA= CASING TONGS
	7:15 - 16:00	8.75	WO/REP	30		P		0 PSI ON WELL ND BOPS ND WELLHEAD PU INT CUTTER RIH CUT CSG BELOW PUP PULL ALL OUT OF HOLE PU OVERSHOT RIH TO CSG PULL ON STRING APPLY LH TORQUE RU W/L RIH W/ STRING SHOT SHOOT B/O @ 1ST COLLAR B/O JNT PULL ALL OUT OF HOLE LD PU SKIRTED PUP & CSG JNT RUN IN HOLE TORQUE ALL TO 7000 FT/ # PULL 90000# ON CSG RU TESTERS TEST TO 3500# 30 MIN RD TESTERS SET SLIPS ON CSG NU WELLHEAD & BOPS RU FLOOR & TUBING EQUIP PU 3-7/8" BIT RIH TAG CEM @ 7145' RU PWR SWVL & FOAMER PREP TO D/O IN AM
6/3/2011	7:00 - 7:15	0.25	WO/REP	48		P		JSA= FOAMING
	7:15 - 7:15	0.00	WO/REP	30		P		EST CIRC W/ FOAMER C/O & DRILL THRU CBP CIRC CLEAN CONTINUE TO RIH TAG FILL @ 8900' CIRC CLEAN POOH w/ BIT PU NOTCHED 1.87XN NPL RIH W/ 262 JNTS EOT @ 8323.94 LAND TUBING ON HNGR RD FLOOR & TUBING EQUIP ND BOPS NU WELLHEAD RD RIG PREP TO MOVE IN AM SIW SDFW